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# 1911 Germain Seed & Plant Co.

Los Angeles, Cal.

ESCHSCHOLTZIA-CALIFORNICA
[CALIFORNIA POPPY]

SEE INSIDE
FRONT COVER

S.M.B. Dando—

OUR COVER PAGES

# ESCHSCHOLTZIA

## (CALIFORNIA POPPIES)

Hardy, easily grown, and sentimentally attractive as the state flower of California, the poppy is one of the most useful additions to a group of annuals. The gleaming golden wild poppy of the foothill has been taught to assume a number of varying shades, which add to the beauty of the native flower and its feathery foliage. They seem to reflect the brightness of the Spring.

ESCHSCHOLTZIA CALIFORNICA, (Clear Yellow.)—These grow in masses along our foot hills, and are the especial delight of the tourist in early spring.

CRIMSON FLOWERING, (Burbank's).—This variety we have no doubt will come to many quite new and we highly recommend it.

GOLDEN WEST.—Very large flowers of a light canary yellow with an orange blotch at the base of each petal, forming a Maltese Cross in the center of the flower.

ROSE CARDINAL.—This is a most delicately colored flower, the outside of the petals being touched with a beautiful shade of pink.

WHITE AND CARMINE, ORANGE, MANDARIN, WHITE WITH YELLOW CENTER.—All are singularly attractive.

THE WHOLE COLLECTION OF EIGHT VARIETIES WE OFFER FOR 50c.

# CASAD'S IMPROVED MUSKMELON

Last season we introduced to a limited number of our customers this distinctly new muskmelon grown by R. C. Casad, of Covina, Cal. Never doubting for a moment the immediate success of the novelty we induced Mr. Casad to further perfect his selection, with the result that we unhesitatingly offer the Casad's Improved Special as among the few best melons ever produced. From the color of the medium-netted rind, a buff yellow, with its spicy aroma, to the thick, luscious, smooth flesh approaching a pineapple flavor, it is most tempting.

This melon is a prolific producer and runs very even in size. Few new varieties in past years have shown so many points of superiority, or so distinct a character. There is no doubt but that the melon will prove a still greater favorite, and, that as many of our customers as possible may enjoy it, we have decided to sell no more than one-quarter pound of the limited supply of seed to any one person. The price will be, as long as stock lasts, 25c per packet, 50c per ounce $1.50 per 1-4 pound.

Mr. Casad in his Melon Patch

# Germain's SEED & PLANT CO. ORDER SHEET

**Please read HOW TO ORDER—page one of catalogue**

**Always use our blanks, more will be sent on request**

OUR REGISTER No._____

Your Name_____
Write Very Plainly

Postoffice_____

County_____ State_____

Street, P. O. Box or Rural Delivery_____

How Goods are to be sent? Mail_____ Express_____ Freight_____

What Express Office_____ Freight Depot_____

Date_____ 19____

AMOUNT ENCLOSED

Money Order $_____

Draft or Check $_____

Postage Stamps $_____

Currency $_____

Remit by above means when possible. LOOSE MONEY IS NOT SAFE.
Stamps may be sent for amounts of $1.00 or less.
Unknown correspondents will please send cash or satisfactory city references with their orders.

Careful observance of the above simple directions will greatly help in the filling and forwarding of orders. Orders asked to be sent C. O. D. must be accompanied by a remittance equal to one-fourth the amount of the order. NO PLANTS SENT C. O. D.

When ordered sent by Mail, add 10c per pound for Peas, Beans, Corn and all Farm or Fodder Plant Seeds.

Filled by_____ Checked by_____ Packed by_____ Style of Package_____ Shipped_____

| Pkg. | Oz. | Lbs. | Plants | Name of Article Wanted | Price | |
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| | | | | CARRIED FORWARD | | |

| Pkg. | Oz. | Lbs. | Plants | Name of Article Wanted | Price |
|---|---|---|---|---|---|
| | | | | BROUGHT FORWARD | |

# To Our Customers

FORTY years ago our first catalogue was mailed to a list of customers who required but two people to attend to their orders. This year the tons of catalogues leaving our offices would fill a large car, and a small army of people swarm through our building in the various departments. We are proud of this record of two generations. This is a business that can only be built on quality. It is a nearly impossible task to talk a disappointed customer back into the fold, and it is gratifying to us that we have not been obliged to study that feature.

Germain seeds grow, and they grow just as we say they will. It is easy to write captivating claims for goods, but quite another matter to make good exaggerated promises. We would prefer that you should be agreeably surprised than the least bit disappointed. To that end our seeds are tested in the broadest sense—not in trial patches under the most favorable conditions, but in the field, just as the grower would plant and cultivate.

Our novelties and specialties this year are in line with our policy of offering practical seeds, distinct from the purely freak and untried novelty. A new strain must be proven convincingly to our experts before it is given place in our stock.

We thank you for the patronage that has built up this large concern, and give you our earnest assurance that we will use every endeavor to merit a continuance of your good will.

Cordially yours,

GERMAIN SEED & PLANT CO.,

Los Angeles, Cal.

# Important Suggestions—Read Before Ordering

**Mistakes and Misunderstandings will be avoided if you will carefully read the following:**

**WRITE PLAINLY.** WHEN ORDERING write your FULL NAME very plainly giving POST OFFICE, EXPRESS OFFICE or FREIGHT DEPOT as case may be, to which you wish the goods sent. If an order wherein we have been given the full and correct address is lost in the mails, we will replace same, but if lost through faulty directions given us, we cannot duplicate it free. When shipments are made by express or freight, our responsibility ceases after we have obtained a clear receipt from the transportation companies.

**SEND MONEY.** Remittance should always accompany the order, and may be sent at our risk by POST OFFICE ORDER, EXPRESS MONEY ORDER, or REGISTERED LETTER. Two cent stamps will be accepted in amounts up to one dollar. All mail orders for Mexico or other foreign points should be registered.

**C. O. D. ORDERS** must be accompanied by a remittance equal to one-fourth the amount of the order. We cannot send C. O. D. orders for amounts of $1.00 or less.

**SEEDS BY MAIL.** We PREPAY POSTAGE on all seeds up to one pound, except Peas, Beans, Corn, Grass Seed, Clover and Forage Plants. When ordering these latter by mail add ten cents per pound to cover postage. Prices on all other goods are net and do not include postage or express charges.

To orders for Mexico add 12c per pound.

**PLANTS.** All plants will be sent by express at the purchaser's expense, unless otherwise ordered. Packages not exceeding four pounds may be sent by mail. When express charges are prepaid there is a special rate of eight cents per pound to any part of the United States. It is advisable, therefore, when ordering plants, to send enough money to cover mail or express charges. **NO PLANTS SENT C. O. D.**

**OUR NURSERY STOCK** is strictly first class in every particular and free from disease and insect pests. An inspector's certificate to that effect accompanies all shipments.

**ORDER EARLY.** It is important that you order as soon after receipt of this catalogue as convenient. You will then be sure of having your seeds when you want them. Orders are filled as received in rotation; you can help us maintain our quick service by ordering early.

**LARGE AND SMALL ORDERS.** Dealers and truck gardeners using seeds in large quantities will save money by writing us for prices. SMALL BUYERS will find their order for one packet handled with the same care and promptness as a larger purchase.

**GUARANTEE.** Look carefully to the cause before making a complaint. Success depends as much upon the proper planting, soil, water, weather, etc., as upon the seeds. Every possible care is taken in the selection of the seeds we offer, but no warranty, expressed or implied is given, either as to name, description, or other matter. If the purchaser does not accept the seeds on these terms and conditions, they must be at once returned.

# Palmetto Asparagus

Standard among the asparagus shippers of California is the Palmetto, and Germain's has gone to a really unwarranted expense to get seed from the most perfect first growth stock. This strain grows to mammoth proportions, and very even in size, which makes it especially popular with shippers. The shoots are a light green, slightly tinted with pink, and are tender to an unusual length. No one will be disappointed with the productiveness and fine edible qualities of the Palmetto Asparagus. Pkt. 10 cts., oz. 15 cts., ¼ lb. 30 cts., lb. $1.00.

# Chinese Cabbage

Occidental races have always been very slow to absorb anything from the Chinese, but it is surprising that so few people have learned to appreciate the value of the Chinese Cabbage, which is a type that has been maintained for hundreds of years by that race. In this section it is largely grown for Chinese consumption, and it only remains for Americans to find out its merits to make it a popular garden vegetable. It is tender and crisp and blanches itself perfectly, and is equally good raw or cooked.

Pkt. 25 cts., oz. 75 cts., ¼ lb. $1.75 lb. $6.00.

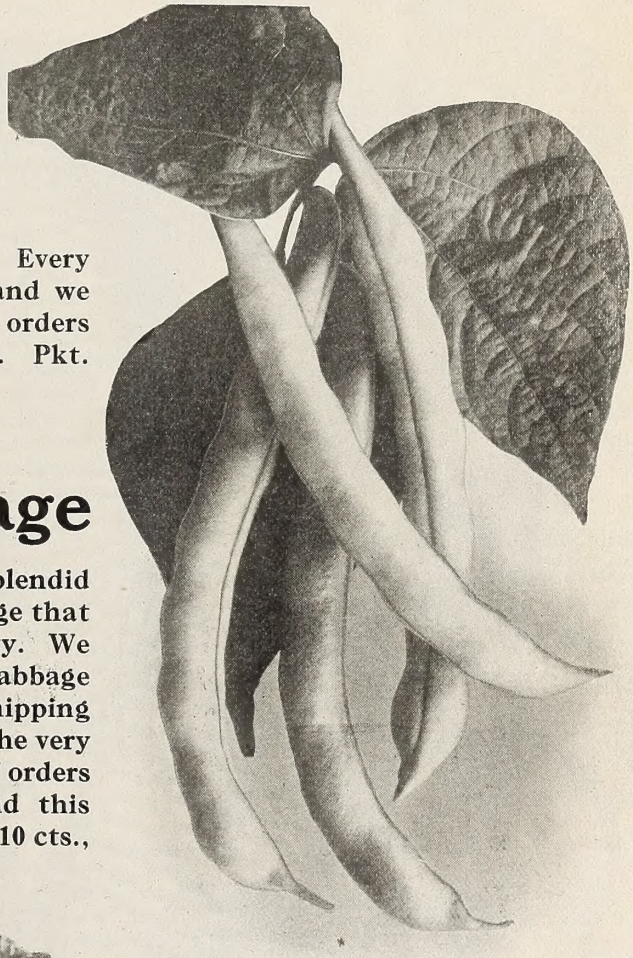
## Germain's Flower Seeds

It is well worth your time to look over our lists of flower seeds. This department is complete in every way and you may expect the highest Germain standard in your purchases.

## Dutch Bulbs

We publish a separate catalogue for bulbs, which we will send free on application.

# Giant Stringless Green Pod Beans



This is a decidedly favorite sort in the eastern states, and Germain's claim the credit of introducing a valuable addition to the bean family. In the Southwest many people greatly prefer this large bean (often measuring six inches in length) to the regular size. It is very early, which is always a favorable factor, tender and absolutely stringless. Every garden should have a few rows of this variety, and we would inform the amateur that we have large orders already booked up for the market gardeners. Pkt. 10 cts., lb. 25 cts., 10 lbs. $2.00, 100 lbs. $12.00.

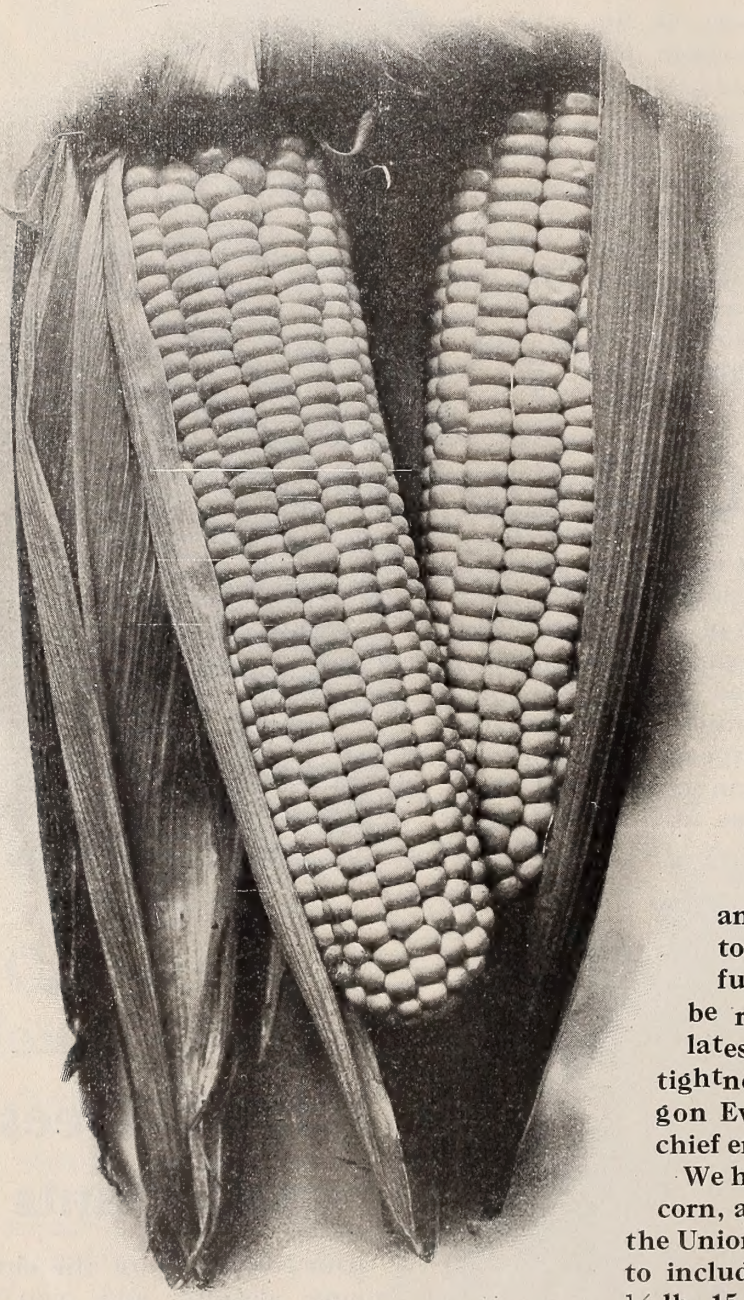
# Winnigstadt Cabbage

Winnigstadt is no novelty, but we have a splendid stock of seed, and it is such a meritorious cabbage that we feel like pushing the popularity of this variety. We sell hundreds of pounds of seed yearly. The cabbage growers have long since recognized its fine shipping qualities Our strain of seed is admitted to be the very best. We have already booked a large number of orders for next season's sowing, and can recommend this variety both for market and home use. Pkt. 10 cts., oz. 20 cts., ¼ lb. 60 cts., lb. $2.00.

## Fruit Trees and Plants

Our Nurseries are the envy of many dealers, and you will profit by buying from us. All our trees are shipped with State Certificate of Health, insuring absolute freedom from insect pests or disease.

# Oregon Evergreen Corn



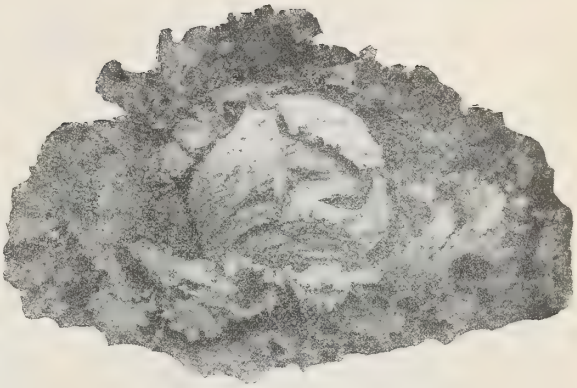
Often it has been remarked by eastern people that they have never tasted sweet corn in California equal to that "back home." It is a sure conclusion they have never eaten Oregon Evergeen, the favorite of the Southwest, of which we have secured the exclusive control of the finest strain ever put upon the market. The seed that grew the parent of our stock was selected with most elaborate care, thousands of ears of apparently good corn being passed by the inspectors, whose painstaking efforts were rewarded with this splendid seed crop.

The two-thirds size photograph on this page of two ears taken at random from the testing grounds will tell more of the size, plumpness and evenness of Oregon Evergreen; but you must have it on your table before you can appreciate its juicy sweetness, richness and tenderness of kernels. It grows to medium height, produces bountifully, and, as its name implies, can be rotated from the earliest to the latest in the season. Owing to the tightness and thickness of the husk Oregon Evergreen is free from worms, the chief enemy of corn in this section.

We have provided for a big trade in this corn, as we sell it in nearly every state in the Union. You will miss a treat if you fail to include it in your order. Pkt. 10 cts., ½ lb. 15 cts., lb. 20 cts., 10 lbs. $1.50, 100 lbs. $12.00.

SPECIAL PRICES—We are in a position to quote the closest prices on quantity orders of any kind of field and garden seeds, and we invite farmers who grow produce for market, or who plant such things as mangel beets or stock carrots for feeding, or use large quantities of vetches or other cover crops, to ask for prices.

# New York Lettuce



NEW YORK LETTUCE

The pride of the Los Angeles market. It is by far the most profitable lettuce grown for market purposes. Its fame has spread from Los Angeles, as it is the variety grown and shipped from here in carloads, as far east as Colorado, and is exclusively used by the best Los Angeles hotels. It is hardy and grows to uniform size, wavy leafed and blanches itself beautifully. Crisp and tender, and of just the right flavor, it never fails to please. We have gone to some expense to secure the best seed we could find and list it in our specialties with our strongest recommendation for either home or market garden. Pkt. 10 cts., oz. 20 cts., ¼ lb. 45 cts., lb. $1.50.

## Germain's New York Egg Plant

No greater delicacy ever came from the garden than the egg plant, and none of this delicious vegetable has ever been brought to such a state of perfection as Germain's strain of the New York. It is an early variety of the large, oval-shaped, deep purple kind that tastes surprisingly like oysters when fried, and is of an indescribably delicate and alluring flavor when stewed.

This variety is a great producer, fifty to sixty pounds having been grown from one plant. It has been perfected beyond any tendency to pithiness or dryness. It has taken its place as the standard for quality among the egg plants. Pkt. 10 cts., oz. 35 cts., ¼ lb. $1.00, lb. $3.50.

# Australian Brown Onion

First among the requirements of the market gardener in the selection of an onion is its shipping qualities. The producer for home use finds this feature of equal value, for it insures him a prime supply of the vegetable in the cellar bin at all times. In stocking the Australian Brown, Germain's is entirely satisfied that under the most adverse conditions the grower will be more than pleased with this variety.

The flesh is pure white, close layered and juicy and tender, growing to a good size.

This hardy variety does especially well in the south, and when planted in rich, sandy soil and given an abundance of water, will produce more to the acre than any onion that has come under our observation.

Germain's customers will not regret planting the Australian Brown, and we are pleased to note that we are stocked to take care of all orders. Pkt. 5 cts., oz. 15 cts., ¼ lb. 50 cts., lb. $1.75.

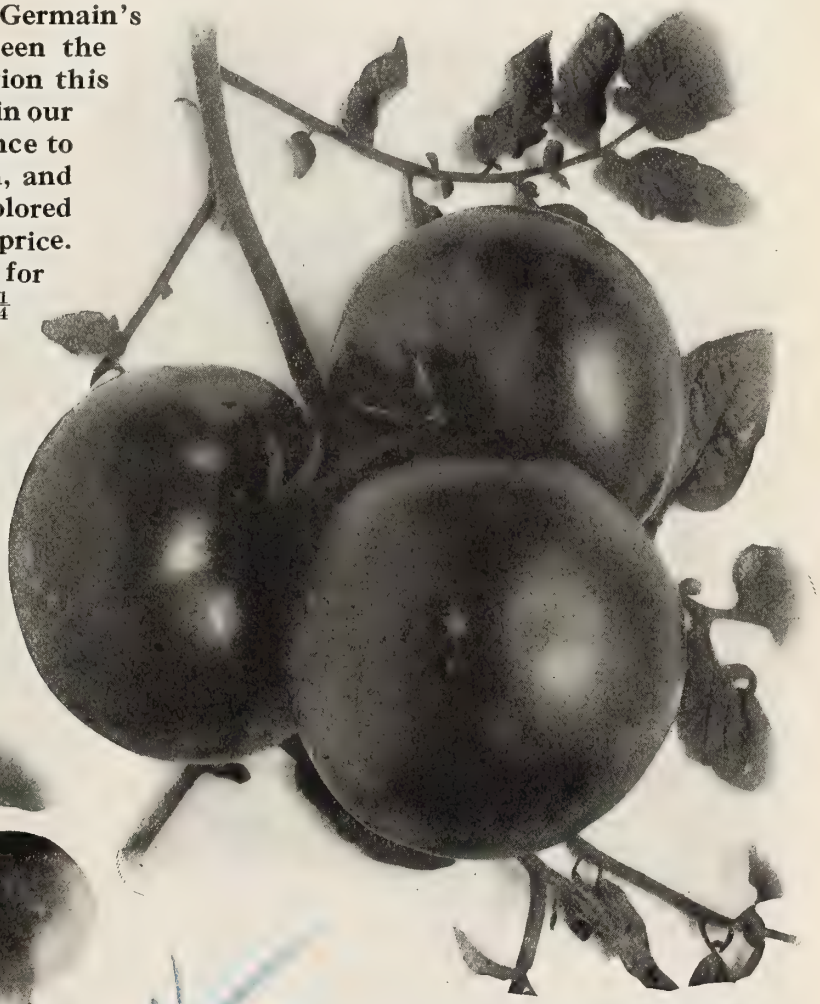
# Germain's Snowball Turnip

Some people may think that a turnip is a turnip, not realizing the great difference between the average stringy, pulpy vegetable and the sweet, mellow, crisp possibilities that have been achieved in the perfection of the Snowball. It was first introduced into this section by us several years ago, and our supply of seed this season is so unusually fine that we are placing it among our specialties, but at a price that will sell every pound.

Germain's Snowball will respond to any reasonable desire for early maturity; grows even in size and is most completely described by its name—pure white and round as a ball. Pkt. 10 cts., oz. 15 cts., ¼ lb. 30 cts. lb. $1.00.

# Germain's Winter Queen Tomato

First to make its appearance in Los Angeles markets from local gardens is Germain's Winter Queen Tomato. It has been the work of years to develop to perfection this hardy and early variety. No vines in our testing grounds show such resistance to frost. It grows a compact bush, and produces an even size, finely-colored fruit that commands the highest price. Its firm flesh makes it a favorite for slicing. Pkt. 10 cts., oz. 50 cts., ¼ lb. $1.25, lb. $4.00.



## Alfalfa Seed

With the installation of our expensive recleaning machinery, we are in a position to furnish the highest grade of alfalfa seed ever sold in this market. Our immense purchases make it possible for us to quote the lowest prices.

# Epicure Radish

Solely a relish, some radishes are often the very opposite on account of the large size and pithy texture, more resembling a turnip or large parsnip. Nothing more epicurean has ever been offered than this select strain of scarlet, white-tipped radish, which is one reason of its popularity among market gardeners. It is the quickest growing radish we know of, maturing in eighteen days. Firm, very mild in flavor and never pithy, it is truly a joy to the planter in every sense. Its dainty size, about that of a marble, and its beautiful coloring make it as pleasing to the eye as to the palate. Pkt. 10 cts., oz. 15 cts., ¼ lb. 30 cts:, lb. $1.00.

# Crosby's Egyptian Beet

Many of the best seed houses in the United States list this favorite beet of the market and home garden, but we doubt if ever there was a finer lot of seed than we have secured in our stock for this season. Thousands of growers will say, "Crosby's Egyptian is the only beet worth planting." We will concede that it is at the top of the list and worth this extra space to bring it to the attention of those of our customers who have not made its acquaintance.

Medium sized, small topped, very early to mature, smooth, sweet and tender, and of a deep crimson color, it fills the demands of the most critical. Include it in your order. Pkt. 10 cts., oz. 15 cts., ¼ lb. 30 cts., lb. $1.00.

SPARAGUS OR YARD LONG BEAN

EGYPTIAN BEET

# Asparagus Bean

Interesting and popular among those who raise it, this bean is still a novelty to many gardeners. Some might imagine a bean pod twenty to thirty inches long of no value as human food, but it is a fact that no more tender or finer flavored bean ever went into the pod. Every housewife will appreciate the entire absence of strings in the Asparagus Bean, and while it is not recommended for the market on account of its awkward size and odd appearance it should be grown in every home garden for its excellence as a green bean. Pkt. 25 cts.

**Germain's has always stood for progress, and we are not a little proud of the part we have had in encouraging the school garden. In all parts of the country the educational value of this branch of nature study has become recognized by the leading educators, and within reach of this catalogue many flourishing gardens have been made possible through these offers. These low prices are made strictly for schools, and orders must be signed by the principal or teacher in charge.**

**Experience has taught us that larger collections are wanted than we published last year. To that end the following combinations have been selected for the flower and vegetable gardens.**

**In order to further encourage this good work we will give a cash prize of $10.00 for the best picture of a school garden grown from these seeds.**

This contest will close July 1, 1911. Pictures should be mailed to Germain's School Garden Dept. The name of the school and principal, and person sending should be written on the back of the photograph.

# Collections

## COLLECTION A, 50c. REGULAR PRICE 75c.

| | | | |
|---|---|---|---|
| 1 pkg. Beans | 1 pkg. Cabbage | 1 pkg. Lettuce | 1 pkg. Sweet Peas, (Mixed) |
| 1 " Corn | 1 " Carrots | 1 " Musk Melon | 1 " Poppy |
| 1 " Beet | 1 " Radish | 1 " Water Melon | 1 " Daisy |
| | 1 " Cucumber | 1 " Cosmos | 1 " Forgetmenot |

## COLLECTION B, $1.00. REGULAR PRICE $1.40.

| | | |
|---|---|---|
| 2 pkgs. Beans | 2 pkgs. Lettuce | 1 pkg. Sweet Peas, Mixed |
| 1 " Corn | 1 " Musk Melon | 1 " California Poppy |
| 1 " Beet | 1 " Water Melon | 1 " Daisy |
| 1 " Cabbage | 1 " Squash | 1 " Forget-Me-Not |
| 2 " Carrots | 2 " Turnip | 1 " Cosmos, Mixed |
| 2 " Radish | 2 " Spinach | 1 " Shirley Poppy |
| 1 " Cucumber | 1 " Nasturtium, Tall | 1 " Nasturtium Dwarf |

## COLLECTION C, $1.50. REGULAR PRICE $2.60.

| | | |
|---|---|---|
| 2 pkgs. Beans | 2 pkgs. Musk Melon | 1 pkg. English Daisy |
| 2 " Corn | 2 " Water Melon | 1 " California Poppy |
| 1 " Beet | 2 " Squash | 1 " Pansy, Mixed |
| 1 " Cabbage | 2 " Turnip | 1 " Shirley Poppy |
| 2 " Carrot | 2 " Peas | 1 " Sunflower |
| 3 " Radish | 2 " Spinach | 1 Sunset Collection Sweet Peas |
| 2 " Cucumber | 1 " Cosmos | 1 pkg. Casad's Imperial Musk Melon |
| 2 " Lettuce | 1 " Dwarf Nasturtium | (See description inside of cover) |
| | 1 " Tall Nasturtium | |

NOTICE TO TEACHERS.—We have had a great many inquiries for our catalogue to be used as references and guides. We will be pleased to mail any reasonable number to help you in your School Garden Work.

**The amateur gardener, not familiar with the different kinds, will find these collections a simple solution of the problem of selection. While the prices of collections are much lower than the regular list, we use only seeds of the highest quality, but being enabled to put them up during leisure time, the saving goes to the buyer. No changes will be made in the assortment. Orders can be filled immediately on receipt.**

## SMALL VEGETABLE GARDEN, PRICE 75c PREPAID

**Containing one package of each of the following:**

| | | | | |
|---|---|---|---|---|
| Peas | Cabbage | Cucumber | Radish, Long | Parsley |
| Beans, Green Pod | Cauliflower | Lettuce | Muskmelon | Parsnip |
| Beans, Wax Pod | Carrot | Asparagus | Watermelon | Turnip |
| Beet | Sweet Corn | Radish, Turnip | Onion | Tomato |

## LARGE VEGETABLE GARDEN, $2.50 PREPAID

| | | | |
|---|---|---|---|
| 1 lb. Peas, Early | 1 oz. Carrot, Danvers | 1 oz. Lettuce, Curled | 2 oz. Radish, Long |
| ½ lb. Peas, Late | 1 pkt. Celery | 2 pkts. Muskmelon | 2 oz. Radish, Turnip |
| 1 lb. Beans, String | ½ lb. Sweet Corn | 1 pkt. Watermelon | 1 pkt. Rhubarb |
| ½ lb. Beans, Wax | 2 pkts. Cucumber | 1 pkt. Mustard | 1 oz. Spinach |
| 1 oz. Beet | 1 pkt. Corn Salad | 1 pkt. Onion, White | 1 pkt. Squash |
| 1 pkt. Brussels Sprouts | 1 pkt. Egg Plant | 1 pkt. Onion, Yellow | 1 pkt. Tomato, Early |
| 1 pkt. Cabbage, Early | 1 pkt. Kohl Rabi | 1 oz. Parsley | 1 pkt. Tomato, Late |
| 1 pkt. Cabbage, Late | 1 pkt. Kale, Tall Scotch | 1 oz. Parsnip | 1 oz. Turnip, White |
| 1 pkt. Cauliflower | 1 pkt. Leek | 2 pkts. Pepper | 1 pkt. Turnip, Yellow |
| 1 oz. Carrot, Long | 1 oz. Lettuce, Head | 1 pkt. Pumpkin | 1 pkt. Sage |
| | | | 1 pkt. Thyme |

## GERMAIN'S COUNTRY HOME COLLECTION, PRICE $5.00

**Sent by Express prepaid free to any express office in the U. S. or Mexico**

This includes a copy of "Practical Farming and Gardening," a standard book which sells for $2.00 retail.

| | | |
|---|---|---|
| 1 lb. Peas, Impd. Yorkshire Hero | 1 oz. Cucumber, White Spine | 1 oz. Pumpkin, Mammoth Tours |
| 1 lb. Peas, Amer. Wonder | 1 oz. Cucumber, Long Green | 2 oz. Radish, Scarlet Turnip |
| 1 lb. Beans, 6 Weeks | 1 pkt. Egg Plant, New York | 2 oz. Radish, French Breakfast |
| 1 lb. Beans, Golden Wax | 1 pkt. Endive, Green Curled | 1 oz. Radish, White Icicle |
| 1 lb. Beans, Ky. Wonder | 1 pkt. Kale, Dwarf Curled | 1 pkt. Salsify, Sandwich Island |
| 1 oz. Beet, Eclipse | 1 oz. Lettuce, Big Boston | 1 oz. Spinach, Prickly |
| 1 oz. Beet, Edmund Blood Turnip | 1 oz. Lettuce, Iceberg | 1 oz. Spinach, Round |
| 1 pkt. Brussels Sprouts | 1 oz. Muskmelon, Rockyford | 1 oz. Squash, Hubbard |
| 1 pkt. Cabbage, Winnigstadt | 1 pkt. Muskmelon, Hackensack | 1 pkt. Squash, White Bush |
| 1 pkt. Cabbage, Succession | 1 oz. Watermelon, Germain's Chilian | 1 pkt. Tomato, Beefsteak |
| 1 pkt. Cabbage, Drumhead | 1 pkt. Okra, White Velvet | 1 pkt. Tomato, Stone |
| 1 oz. Carrot, Long Orange | 1 oz. Onion, New Queen | 1 oz. Turnip, Purple Top Strap Leaf |
| 1 oz. Carrot, Danvers | 1 pkt. Onion, Red Wethersfield | 1 oz. Turnip, Golden Ball |
| 1 pkt. Cauliflower, Snowball | 1 pkt. Onion, Yellow Danvers | 1 pkt. Sage |
| 1 pkt. Celery, Golden Self-blanching | 1 oz. Parsley, Moss Curled | 1 pkt. Thyme |
| 1 lb. Sweet Corn, Stowells | 1 oz. Parsnip, Hollow Crown | 1 pkt. Sweet Marjoram |
| 1 lb. Sweet Corn, Early Mammoth | 1 pkt. Pepper, Mexican Chili | 1 Book, "Practical Farming and Gardening," Selling Price $2.00 |
| 1 pkt. Corn Salad | 1 pkt. Pepper, Sweet Mountain | |

# Germain's TESTED SEEDS

# VEGETABLE SEED DEPARTMENT

## A Word About Good Seeds

The foundation for a GOOD CROP is laid by the planting of GOOD SEED, without which the time and labor of the planter is lost. Growers should remember this when ordering seeds and bear in mind that the difference in cost between good seed and that which is not so good, is trifling when compared with the results expected. The raising and harvesting of seed of First Quality involves a vast amount of experience and labor and we feel that our FORTY YEARS of experience in this line warrants us in saying that the seeds we here offer are second to none of any sold the world over and the numerous unsolicited testimonials we have received prove it.

PALMETTO ASPARAGUS

## ARTICHOKE

Alcachofa Artischoke Artichaut

Sow the seed in beds and then transplant the young plants in hills 3 feet apart each way in rich soil.

| | | PRICES Oz. | ¼ lb. | 1 lb. |
|---|---|---|---|---|
| **Large Green Globe.** The favorite garden variety | Pkt. 10c | $0.35 | $1.15 | $3.50 |

**Plants of Large Green Globe Artichoke.** See page 31.

## ASPARAGUS

Esparrago Spargel Asperge

Sow the seed in rows a foot apart. The soil for the permanent bed should be thoroughly manured and trenched to a depth of at least 2 feet. Plant the roots in rows 3 feet apart and 1 foot between the plants in the rows; spread the roots out well and let the crown of the plant be covered about 6 or 8 inches when established. Previous to sowing the seed soak in tepid water for 24 hours.

NOTE—By planting 2-year-old roots a great deal of time and labor will be saved. See prices of roots at page 31.

| | | | | |
|---|---|---|---|---|
| **Palmetto.** See Specialties | Pkt. 10c | .15 | .30 | 1.00 |
| **Argenteuil.** The favorite in the Paris markets and exceedingly popular wherever grown in the United States. The stalks grow to an enormous size, cook tender, of delicious flavor. | Pkt. 5c | .15 | .50 | 1.25 |
| **Snowhead.** A tender, fine-flavored and productive variety, having the advantage over other kinds in that it does not discolor when exposed to the sun's rays. Large white stalks. | Pkt. 5c | .25 | .80 | 2.50 |
| **Columbia Mammoth, Barr's Mammoth and Conover's Colossal** | Pkt. 5c | .10 | .25 | .85 |

### GERMAIN'S SEEDS ARE GOOD EVERYWHERE

HAKALAU, HAWAII, H. I.

GERMAIN SEED CO., Los Angeles, Cal.

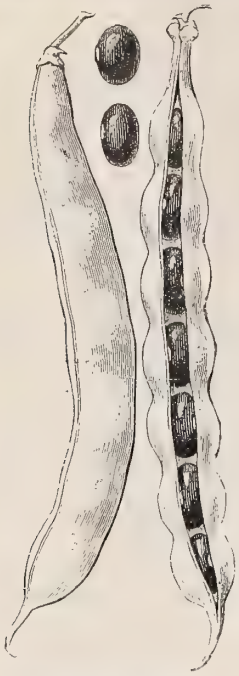
Gentlemen:

I got vegetable seeds from you last year, and wish to say they were away ahead of any I've got from the States before. Had splendid results from all seed sent. Your seed seems to be the seed for Hawaii.

Respectfully.

L. H. THOMPSON.

January 3d, 1910.



IMPROVED PROLIFIC BLACK WAX

BEANS, CANADIAN WONDER

# BEANS

PACKETS 5c

## DWARF OR BUSH

Frijoles Bohne Haricots Nains

One pound will sow 100 feet of drill; 40 pounds are required for an acre. They will thrive in any good soil. Plant the seed 2 inches deep and 2 inches apart, in rows 2 feet apart.

## GREEN POD

| | PRICES 1 lb. | 10 lb. | 100 lb. |
|---|---|---|---|
| **Extra Early Refugee.** Very early, prolific; fine quality, and a great favorite for canning | $.15 | $1.00 | $9.00 |
| **Long Yellow Six Weeks.** Very early and productive; one of the best market varieties; tender and of fine flavor | .15 | 1.00 | 9.00 |
| **Burpee's Stringless Green Pod.** An early-maturing, round fleshy podded variety of fine quality. Pods straight, brittle and entirely stringless | .15 | 1.00 | 9.00 |
| **Canadian Wonder.** Handsome flat pods of great length and very tender. Hardly any variety can approach it in rich flavor and appearance. Best variety for winter use | .15 | 1.00 | 9.00 |
| **Early Mohawk.** This sort is so much hardier than the others that it can be planted earlier and often will furnish beans fit for use before any other kind | .15 | 1.00 | 9.00 |
| **French Mohawk.** A well known favorite variety, productive and of fine flavor | .15 | 1.00 | 9.00 |
| **Giant Stringless Green Pod.** See specialties ... Pkt. 10c | .25 | 2.00 | 12.00 |

## WAX OR YELLOW-PODDED

| | | | |
|---|---|---|---|
| **Refugee Wax.** A handsome, round-podded variety, extremely productive, bearing large, fleshy, Wax-like pods of splendid quality | .15 | 1.25 | 10.00 |
| **Improved Golden Wax.** One of the best strains of Golden Wax, Hardier, more prolific, holds its pods up well, of better quality, pods longer, straighter and thicker than the original Golden Wax | .15 | 1.25 | 10.00 |
| **Improved Prolific Black Wax.** In every respect first-class; pods round, a beautiful bright yellow color, very early and continues long in bearing; handsome and immensely productive | .15 | 1.25 | 10.00 |
| **Ventura Wonder Wax.** An entirely distinct sort, of fine flavor | .15 | 1.25 | 10.00 |
| **Wardwell's Kidney Wax.** Very productive; pods straight, flat, 5 inches in length, brittle, stringless and of good flavor, greatly in demand for market use | .15 | 1.25 | 10.00 |
| **Round Pod Kidney Wax.** The pods are long and handsome, slightly curved, round, and very tender | .15 | 1.25 | 10.00 |

## BROAD BEANS

| | | | |
|---|---|---|---|
| **English, or Broad Windsor.** The celebrated broad bean of England, growing on a strong stalk about two feet high; beans eaten shelled | .10 | .90 | 7.50 |

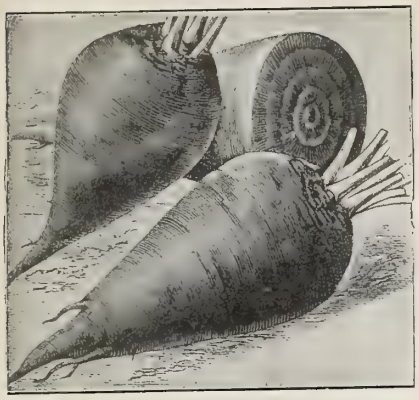
## POLE OR RUNNING BEANS

Frijole de Bejuco Stangenbohnne Haricots a Rames

These varieties require a rich soil. Plant in well manured hills, 3 feet apart each way, covering to a depth of 2 inches. In each hill set a pole 8 or 10 feet long, around which plant 5 or 6 beans and afterward thin out, leaving four strong plants to each hill.

**Asparagus, or Yard Long.** See Specialties. Pkt. 25c.

| | | | |
|---|---|---|---|
| **Kentucky Wonder or Old Homestead.** A vigorous grower, wonderfully productive. The pods, which hang in great clusters, are very long and tender | 15 | 1.00 | 9.00 |
| **White Kentucky Wonder.** A novelty of recent introduction, possessing all the qualities of its green-pod namesake | .20 | 1.50 | 12.00 |
| **Creaseback.** One of the earliest pole snaps. Pods grow in clusters | .15 | 1.00 | 9.00 |
| **Scarlet Runner.** Ornamental and useful. The vine is graceful; flowers are of a brilliant scarlet, and the beans are of an excellent quality, either when shelled or in a dry state | .30 | 2.50 | |
| **Lazy Wife.** Pods 6 to 8 inches long, entirely stringless, of a rich, buttery flavor when cooked as a snap-bean; also a good white shell bean for Winter. One of the very finest flavored | .20 | 1.15 | 10.00 |
| **Cut Short.** This is a pole bean, an old variety, sometimes known as the "Cornhill" from the fact that it is quite often planted with corn and allowed to climb up the stalk. The pods are round, short and tender | .15 | 1.00 | 9.00 |



GERMAIN'S LONG BLOOD BEET

## BEANS (Continued.)

PACKET 5c

| | PRICES 1 lb. | 10 lb. | 100 lb. |
|---|---|---|---|
| **London Horticultural, or Speckled Cranberry.** Vines moderately vigorous, with large, light-colored leaves; pods short, broad, pale green, but becoming streaked with bright red as they mature; good either green or dry | $0.15 | $1.00 | $9.00 |
| **Dutch Case Knife.** A very good pole bean; it is early; pods broad and long; somewhat turned toward the end, used as snap and shell | .15 | 1.00 | 9.00 |

## LIMA BEANS

| | | | |
|---|---|---|---|
| **Burpee's Bush Lima.** Splendid dwarf Lima; large and of excellent quality | .15 | 1.00 | 9.00 |
| **Henderson's Bush Lima.** A dwarf variety of the Sieva or Southern Lima; produces enormous crops | .15 | 1.25 | 10.00 |
| **King of the Garden Lima.** A vigorous grower, bearing profusely; large pods varying in length from 5 to 8 inches. The beans are large and of rich flavor | .15 | 1.00 | 9.00 |
| **Large Lima.** A standard variety, unsurpassed in quality as a green or dried shell bean. Matures later than King of the Garden | .15 | 1.00 | 9.00 |

# BEETS

## TABLE

PER PACKET 5c

Remolacha Rothe Reuben Betterave

Sow as early in the spring as the ground can be worked. The soil should be light, sandy loam, well enriched with stable manure, and plowed and harrowed until very fine. Sow in drills 1 foot to 15 inches apart, and when well up, thin from 4 to 6 inches. The young beets pulled out of the row are excellent used as spinach.

| | Oz. | ¼ lb. | 1 lb. |
|---|---|---|---|
| **Extra-Early Eclipse.** Very early, round-rooted and dark red | .10 | .25 | 1.00 |
| **Germain's Long Blood.** A splendid variety of fine flavor and of long, symmetrical shape | .10 | .25 | .75 |
| **Crosby's Egyptian.** See Specialties ..... Pkt. 10c | .15 | .30 | 1.00 |
| **Extra Early Egyptian.** Very early of dark blood-color rather flat shape | .10 | .25 | .75 |
| **Edmund's Blood Turnip.** A market-gardener's strain, of great regularity in shape, deep blood skin and very dark flesh of best quality | .10 | .30 | 1.00 |
| **Bassano.** Early, flat, light color, fine quality | .10 | .30 | 1.00 |
| **Bastian's Early Red.** Early, large, fine turnip form and bright red color, zoned with lighter rings. Profitable for market, or home garden. An old favorite | .10 | .30 | 1.00 |
| **Swiss Chard, or Silver.** This variety is cultivated for its leaf-stalks, which are served up much like asparagus, and for its leaves, cooked like spinach. Cut often, as new stalks will be produced | .10 | .25 | .75 |

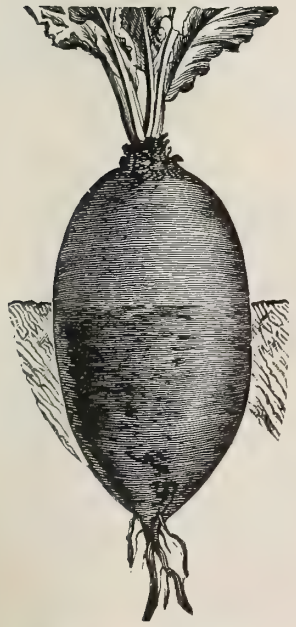
EXTRA EARLY ECLIPSE

## STOCK

**If ordered by mail, add 10 cts. per pound for postage.**

Cultivated extensively for stock. Farmers and dairymen should not fail to plant a few acres of these valuable root crops either for their milch cows or fat stock. Select a deep, rich loam and manure well. Sow any time from the middle of November until April, in drills 2½ to 3 feet apart, and thin to 12 inches in the row. The long varieties prefer a light, sandy loam. The round varieties are best for planting on stiff soil. Sow 8 pounds to the acre.

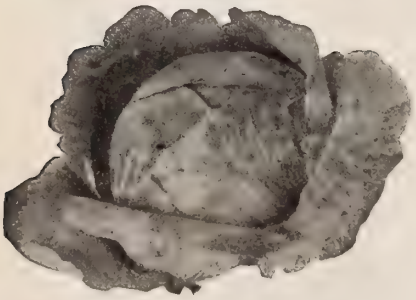
| | 1 lb. | 10 lb. | 100 lb. |
|---|---|---|---|
| **Germain's Champion Yellow Globe.** Its shape and yield makes it one of the best varieties that can be grown; easily harvested | $0.25 | $2.00 | |
| **Giant Half Sugar Rose Mangel.** A distinct type of beet, producing roots of enormous size of the highest feeding value. It is a cross between a mangel and sugar beet; olive shaped | .25 | 2.00 | Write for Prices. |
| **Golden Tankard.** Rich yellow color, sweet flavor, and yields heavy crops of fine-shaped roots. One of the best milk-producing sorts | .25 | 2.00 | |
| **Improved Mammoth Long Red.** Our stock is a great improvement on the old variety. The roots are very large, uniformly straight and well formed; color deep red; roots solid; tops small; produce an immense bulk and tonnage | .25 | 1.75 | |



GOLDEN TANKARD BEET

BRUSSELS SPROUTS
HALF DWARF PARIS

EARLY WINNIGSTADT CABBAGE



ALLHEAD EARLY CABBAGE

## BEETS (Continued) SUGAR, FOR STOCK FEEDING

**If ordered by mail, add 10 cts. per pound for postage.**

| | PRICES 1 lb. | 10 lb. | 100 lb. |
|---|---|---|---|
| **Lane's Improved Imperial.** It is probably more largely grown than any other sugar beet for feeding to stock. It will yield as much as mangel and contains a large per cent of sugar..... | $0.25 | $2.00 | |
| **Vilmorin's Improved White.** A much improved variety of the White Silesian, extensively cultivated as a sugar-producing beet; very valuable..... | .25 | 2.00 | |
| **Klein Wanzlebener.** This splendid sugar beet is one of the **greatest milk producing roots known;** in shape it is conical, straight and even, quite large at the head and rapidly tapering. Every stock raiser should plant this fine sort..... | .25 | 2.00 | |

# BROCCOLI

Broculi Spargelkohl Broccoli

| | | Oz. | ¼ lb. | 1 lb. |
|---|---|---|---|---|
| **Purple Cape.** Produces fine heads of purplish-brown color | Pkt. 5c | $0.30 | $0.85 | $3.00 |
| **White Cape.** Heads medium size, compact; of a creamy white color..... | Pkt. 5c | .30 | .85 | 3.00 |

# BRUSSELS SPROUTS

Berza de Bruselas Rosenkohl Chou de Bruxelles

Culture for Brussels Sprouts same as for Cauliflower.

| | | | | |
|---|---|---|---|---|
| **Half Dwarf Paris Market.** A half-dwarf sort, bearing handsome crops of round, hard sprouts of the finest quality..... | Pkt. 5c | $0.15 | .50 | 1.50 |

# CABBAGE

Repollo Kopfkohl Chou Pomme

The cabbage seed we offer is strictly first-class, none better, and our sales are increasing annually; we would especially call the attention of our patrons to our **superb strain of Winnigstadt,** the leading variety grown in this section. Growers are alive to the fact that quality in cabbage seed is of the utmost importance, as no satisfactory results can possibly be obtained when poor seed is planted.

Commence to sow the seed of the early varieties in August and each month following, until spring, for succession. Transplant as soon as large enough, to fresh, rich soil, in rows 2 feet apart and 18 inches apart in the rows. In planting cabbage or cauliflower, care should be observed that the stem is set under ground as far as the first leaf. The ground should be well worked to produce good heads, and hoed as many as three times during the season, drawing the earth slightly about the stems. One ounce will produce 2,000 plants.

## POINTED OR OBLONG VARIETIES

| | | Oz. | ¼ lb. | 1 lb. |
|---|---|---|---|---|
| **Early Winnigstadt.** See Specialties..... | Pkt. 10c | $0.20 | $0.60 | $2.00 |
| **Selected Early Jersey Wakefield.** A favorite sort. Heads very compact, solid and conical shape, few outside leaves... | Pkt. 5c | .15 | .50 | 1.50 |
| **Early York.** An old favorite, with solid, pointed heads, Standard English Sort..... | Pkt. 5c | .15 | .50 | 1.50 |

## FLAT OR ROUND HEAD VARIETIES

| | | | | |
|---|---|---|---|---|
| **Allhead Early.** This is the earliest cabbage of all the large early sorts, and cannot be recommended too highly. It is larger than any other variety of its class and grows remarkably uniform..... | Pkt. 5c | .15 | .50 | 1.50 |
| **Eureka.** A flat-headed cabbage maturing as early as Jersey Wakefield. The heads are solid and of fine texture.. | Pkt. 10c | .40 | 1.25 | 4.00 |
| **Fottlers Brunswick.** This is a good second early variety, short stemmed, heads solid and compact weighing from 10 to 15 pounds each and is sure to head..... | Pkt. 5c | .20 | .60 | 2.00 |
| **Selected All-Seasons.** One of the finest for second-early or late, growing to a large size quickly..... | Pkt. 5c | .20 | .60 | 2.00 |
| **Improved Early Summer.** A superior second-early sort, produces large and solid heads of fine quality..... | Pkt. 5c | .20 | .60 | 2.00 |
| **Henderson's Succession.** An excellent second-early sort on style of All-Seasons..... | Pkt. 5c | .20 | .60 | 2.00 |
| **Danish Ball Head, or Holland.** The hardiest round-headed variety in cultivation. The best for winter keeping..... | Pkt. 5c | .30 | .90 | 3.00 |
| **Marblehead Mammoth Drumhead.** The largest Cabbage grown. It is no uncommon occurrence to find a head weighing from 50 to 60 pounds..... | Pkt. 5c | .20 | .60 | 2.00 |
| **Sure Head.** One of the best main crop Cabbages..... | Pkt. 5c | .20 | .60 | 2.00 |

DANISH BALL HEAD CABBAGE

## CABBAGE—Continued.

| | | PRICES Oz. | ¼ lb. | 1 lb. |
|---|---|---|---|---|
| **Selected Late Flat Dutch.** A low-growing variety; heads large, bluish green, round, sound, solid, broad and flat on top; an excellent fall and winter variety and a good keeper..... Pkt. 5c | | $0.20 | $0.60 | $2.00 |
| **Large Late Drumhead.** A standard winter cabbage..... Pkt. 5c | | .20 | .60 | 2.00 |
| **Drumhead Savoy.** Fine quality..... Pkt. 5c | | .20 | .60 | 2.00 |
| **Chinese Cabbage.** See specialties ..... Pkt. 25c | | .75 | 1.75 | 6.00 |

### RED CABBAGE

| | | | | |
|---|---|---|---|---|
| **Red Drumhead.** Used for pickling. Large, very solid, color deep red..... Pkt. 5c | .20 | .60 | 2.00 |
| **Red Dutch or Pickling.** Fine, solid, dark red heads..... Pkt. 5c | .20 | .60 | 2.00 |

**Cabbage Plants.** See page 31.

## CARROTS — PACKET 5c

Zanahoria Mohre Carrotte

The carrot is one of the most wholesome and nutritious of our garden roots deserving to be more extensively used for culinary purposes and we urge our readers to give some of the early table sorts a trial. For feeding stock, especially horses and milch cows, the carrot cannot be surpassed and it should be more largely grown by farmers for this purpose. Like other root crops, it flourishes best in a well-enriched sandy soil, deeply tilled, and if plowed the fall before, all the better. Sow in early spring in drills 15 to 18 inches apart, finally thinning plants to 3 or 4 inches. One ounce of seed will sow about 150 feet of row. Four pounds to the acre.

| | Oz. | ¼ lb. | 1 lb. |
|---|---|---|---|
| **Oxheart, or Guerande.** At the top from four to five inches in diameter. Flesh bright orange, fine grained and sweet. It is a very fine quality for table use and equally good for stock... | .10 | .25 | .85 |
| **Early Chantenay.** This is the best early carrot grown, one which market gardeners should plant. Grows about six inches long, stump rooted, smooth, deep red, fine grained and sugary, not apt to crack ..... | .10 | .25 | .85 |
| **Early French Forcing.** The earliest variety, largely grown for forcing purposes; globular-shaped root of an orange-red color.. | .10 | .25 | .85 |
| **Early Scarlet, or Short Horn.** One of the most popular varieties grown; color deep orange; one of the best for table use..... | .10 | .25 | .85 |
| **Improved Danvers Half Long.** A first-class carrot for all soils; in form midway between the Long Orange and the Short Horn. The root is of a rich, dark orange color and grows very smooth and handsome; 20 to 30 tons per acre is not an unusual crop.. | .10 | .25 | .85 |
| **Improved Long Orange.** A well-known standard sort; roots long, thickest near the crown, tapering regularly to a point; color deep orange. Suitable for the table and main field crop..... | .10 | .25 | .75 |
| **Improved Large White Belgian.** Very productive; grown for stock feeding exclusively; grows one-third out of ground. Roots white; green above ground..... | .10 | .20 | .60 |

EARLY SCARLET HORN CARROT

## CAULIFLOWER

Coliflor Blumenkohl Choufleur

The cultivation of Cauliflower is much the same as for cabbage. Sow the late kinds in this vicinity in May and the early kinds in June; transplant in rows 2½ ft. apart and 2 ft. between the plants, in soil that has previously been well enriched with stable manure. 1 oz. of seed will produce 2,000 plants.

| | ¼ oz. | Oz. | ¼ lb. | 1 lb. |
|---|---|---|---|---|
| **Germain's Dry Weather Cauliflower.** Admirably adapted for the arid regions of the Southwest. The heads are as large as Snowball and almost as early; solid, pure white and of excellent quality.....Pkt. 25c | .75 | 2.50 | 8.00 | |
| **Half Early Paris, or Nonpareil.** One of the best and good for either early or late.....Pkt. 10c | .60 | 1.75 | 6.00 | |
| **Henderson's Early Snowball.** A variety held in great estimation by market gardeners for its earliness and reliability as a sure header.....Pkt. 25c | .75 | 2.50 | 8.00 | |
| **Large Algiers.** A splendid late variety, eminently adapted for growing in Southern California; heads large, white, solid. One of the best for market gardeners. Our stock is extra fancy. Plant in this vicinity in May..... Pkt. 5c | .35 | 1.00 | 3.50 | 12.00 |
| **Veitch's Autumn Giant.** A large, late sort of robust habit; heads compact, large outer leaves. Succeeds well in southern latitudes..... Pkt .10c | .25 | .80 | 2.25 | 8.00 |
| **Lenormand's Short Stemmed.** A compact grower, very hardy. heading late, and producing many protecting leaves.....Pkt. 10c | .25 | .80 | 2.25 | 8.00 |

**Cauliflower Plants.** See page 31.

SNOWBALL CAULIFLOWER

GOLDEN SELF BLANCHING

# CELERY

Apio Sellerie Celeri

Sow seed in frame or open ground. Transplant 4 inches apart, when 3 inches high, in rich soil finely pulverized; water and protect until well rooted, then transplant into rows 5 or 6 feet apart, either on surface or in well-manured trenches a foot in depth, half filled with well-rotted manure. Set the plants from 8 to 12 inches apart. To blanch, draw earth around the plants from time to time, taking care not to cover the tops of the center shoots. One ounce of seed will produce 5,000 plants.

| | | PRICES Oz. | ¼ lb. | 1 lb. |
|---|---|---|---|---|
| **Golden Self Blanching, French Stock.** The favorite and most popular celery on the market, east or west | Pkt. 10c | $.75 | $2.50 | $9.00 |
| **Golden Self Blanching, California Stock.** Similar to the foregoing, seed raised in California from selected plants | Pkt. 5c | .25 | .80 | 2.50 |
| **White Plume.** We offer a choice strain of this valuable and popular variety. It is unsurpassed for fall and early winter use, requiring very little earthing up to blanch it | Pkt. 5c | .25 | .85 | 3.00 |
| **Golden Dwarf.** The best of the half-dwarf varieties; the heart is golden yellow, turning to a light color when blanched. Very solid, rich flavor and a good keeper | Pkt. 5c | .10 | .15 | 1.50 |
| **Boston Market.** One of the best of the white varieties; early and hardy | Pkt. 5c | .10 | .50 | 1.50 |
| **Giant Pascal.** Stalks very large, thick, solid, crisp and of a rich, nutty flavor; blanches easily and quickly | Pkt. 5c | .20 | .60 | 2.00 |
| **Chinese Green Top.** The best "Green Top" variety grown, largely grown by Chinese gardeners | Pkt. 5c | .30 | .80 | 3.00 |
| **Celeriac, Large Smooth Prague.** Forms turnip-shaped bulbs having celery-like flavor | Pkt. 5c | .20 | .60 | 2.00 |
| **Soup Celery. For Flavoring** | (add 10c postage) | | | .30 |

WHITE PLUME

# CHERVIL

Perifollo Kerbel Cerfeuil

| | | | | |
|---|---|---|---|---|
| **Curled.** Used for flavoring soups and stews; also for salads and garnishing | Pkt. 5c | .10 | .35 | 1.00 |

# CHICORY

Achicoria Cichorie Chicoree

Much used as a salad by the French. Sow in spring in good soil, in drills 18 inches apart; after culture same as for carrots.

| | | | | |
|---|---|---|---|---|
| **Common, or Wild.** Used in Barbe de Capucin, a salad much used in France | Pkt. 5c | .15 | .35 | 1.00 |
| **Large-rooted Magdeburg.** The prepared roots are used as a substitute for and to mix with coffee | Pkt. 5c | .10 | .35 | 1.00 |
| **Large-leaved French.** A splendid variety for salads | Pkt. 5c | .10 | .35 | 1.00 |
| **Witloof.** Sow in drills, thin out to six inches apart, treat as Endive until end of summer, when it should be banked up like celery. The blanched stalks are used as a salad. It is also used as a boiled vegetable dressed the same as cauliflower | Pkt. 5c | .15 | .35 | 1.00 |

# CORN

## SWEET OR SUGAR

PACKET 5c

Mais Maiz Mais

**If ordered by mail, add 10 cts. per pound for postage.**

Plant the smaller varieties in drills 3 feet and 10 inches apart in the rows; or in hills 3 feet apart each way and 3 or 4 grains in a hill. The taller varieties on rich soil should be given a space of 4½ feet between the drills and 1 foot between the stalks; use some rich manure in the drills, working it in singly about the roots.

| | | PRICES 1 lb. | 10 lb. |
|---|---|---|---|
| **Aztec.** White Seeded. See colored insert | Pkt. 25c | | |
| **Golden Bantam.** A very early and hardy dwarf variety | | $.15 | $1.25 |
| **Oregon Evergreen.** See Specialties | Pkt. 10c | .20 | 1.50 |
| **Adams Extra-Early.** One of the earliest varieties; small cob and quite dwarf in growth | | .15 | 1.00 |
| **Black Mexican.** The sweetest. richest and tenderest of all sweet corn | | .20 | 1.25 |
| **Country Gentleman.** The best sweet corn for private use. Has a small white cob densely covered with irregular rows of deep, splendid white grains of delicious flavor. Ears average 8 to 9 inches in length. The stalks grow about 6 feet high and average three or four ears each | | .20 | 1.25 |
| **Crosby's Early Sweet.** Second-early, sweet and productive | | .15 | 1.00 |

Write for prices on large quantities

CELERIAC

# Three Superior Specialties

For Description and Prices See Other Side

GERMAIN'S IMPROVED STRAIN OF

# CHILIAN WATER MELON

By a careful course of selection of the most perfect specimens true to type, extending over a number of years, we have been able to obtain a strain of Chilian Water Melon superior to any ever yet offered.

This great Melon of the Southwest is a splendid shipper of unequalled lusciousness, and for either the market or the home garden cannot be surpassed. It has been tried by thousands of our customers, who are all highly pleased with it, the best evidence of which is the fact that our sales have increased, not by hundreds, but by thousands of pounds of seed. Without any hesitation we recommend this strain and we are in a position to fill all orders. PRICE 5 cts. PER PACKET, 10 cts. PER OZ., $1.00 PER POUND.

# EARLY AZTEC CORN

(White Seeded).

After three years of intelligent and painstaking selection this fine sport from the black seeded Aztec has become thoroughly established, and so surely dependable as to merit the Germain recommendation. Early Aztec has taken its place as a leader among the early varieties. It grows to a medium height and is prolific in fine, large ears with small cobs and fat kernels that cannot be excelled for sweetness and richness of flavor. The dry seed is smooth and white. The supply is as yet limited and we are compelled to sell only in packets this season. PRICE 15 CENTS PER PACKET.

# YORKSHIRE HERO PEAS

It is a fact beyond all dispute that of all the varieties of peas there is none held in greater esteem than the Yorkshire Hero. It is well deserved, for whether grown for market or home table there are none more eligible to the honor roll. Of strong, vigorous growth, it needs no staking, and the vines yield an abundance of pods well filled with large peas of delicious flavor. Our sales the past season reached an enormous total and our stock for the coming season has been raised for our special trade, the greatest care being given to have them of the highest quality and true to name. For all purposes our special selected stock is unsurpassed. PRICE PER POUND 20c; 10 POUNDS $1.50—WRITE FOR PRICES ON LARGER QUANTITIES.

A GERMAIN SEED FARM OF YORKSHIRE HERO PEAS

## CORN, SWEET—Continued.

PACKET 5c

| | PRICES 1 lb. | 10 lb. |
|---|---|---|
| **Early Mammoth.** This variety produces the largest ears of any variety of early sweet corn | .15 | 1.00 |
| **Early Minnesota Sweet.** One of the earliest, with ears of suitable size for market purposes | .15 | 1.00 |
| **Extra Early Cory.** One of the earliest varieties | .15 | 1.00 |
| **Late Mammoth.** Produces larger ears than any other sweet corn, yet is rich and sweet. Productive and popular; a little later than Evergreen | .15 | 1.00 |
| **Premo 60-Day.** This is a very fine, very early sugar corn; hardy and can be planted fully as early as the Early Adams. The stalks grow about five feet high, and mostly bear two well-developed ears to the stalk. It is of extra fine quality, very sweet and delicious | .20 | 1.50 |
| **Stowell's Evergreen.** The standard sort for main crops everywhere. Ears large, deep-grained, exceptionally tender and sugary; remains tender and eatable longer than any other variety. A general favorite with canners and market gardeners for late use | .15 | 1.00 |

## CORN—Field

| | | |
|---|---|---|
| **Minnesota King.** For years this corn has been exceedingly popular in the Northwest. The cob is small, but is covered to the top with large grains of a beautiful yellow color | .10 | .50 |
| **Early Mastodon.** The largest yellow corn grown, and the heaviest yielder. It has been known to yield over 200 bushels to the acre. The ears are even in size, cob small, with deep yellow grains. A vigorous grower and sure to give satisfaction | .10 | .50 |
| **Golden Beauty.** The ears are remarkable in size, and filled out completely to the extreme end of the cob. The cob is smallest, in comparison with the size of the ear, of any variety in cultivation | .10 | .50 |
| **Leaming.** One of the best medium early varieties in the market. The ears are large and handsome, with deep, large grain; orange yellow color, and small red cob; very productive; shells very easily | .10 | .50 |
| **Pride of the North.** One of the best sorts. Ears have from 14 to 16 rows, color light orange | .10 | .50 |
| **Hickory King.** This corn is entirely distinct from all other varieties, having the largest grain with the smallest cob ever introduced in a white corn | .10 | .50 |
| **Champion White Pearl.** This stalk is short and thick. The ear grows low on the stalk, from 7 to 12 inches in length, almost parallel throughout, of medium size, averaging 16 rows of grain | .10 | .50 |
| Iowa Gold Mine | .10 | .50 |
| Iowa Silver Mine | .10 | .50 |
| Wisconsin White Dent | .10 | .50 |
| King Phillip | .10 | .50 |
| King of the Earlies | .10 | .50 |

Write for prices on large quantities.

## CORN—Ensilage

Sow 1¼ to 1½ bushels per acre.

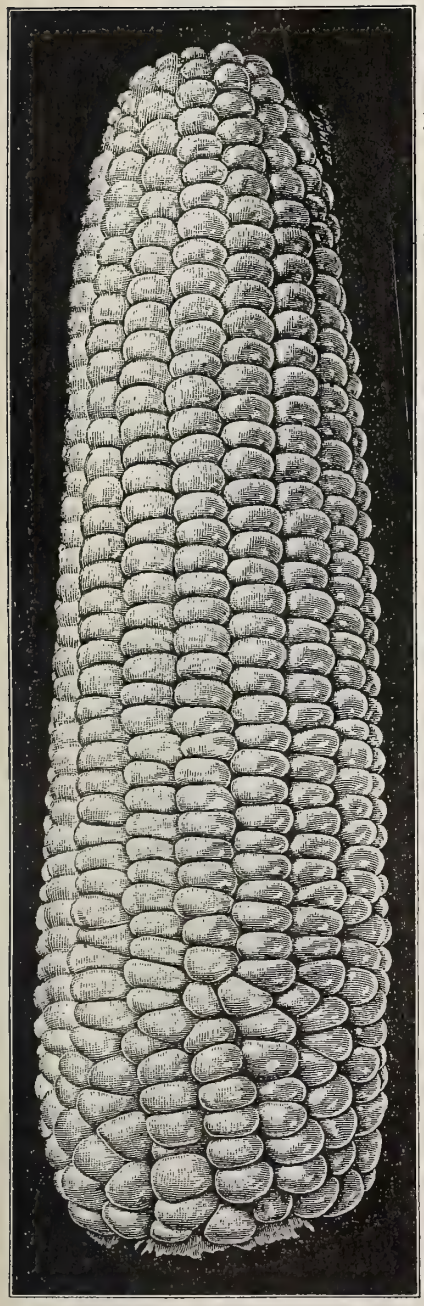
| | | |
|---|---|---|
| **Red Cob Ensilage.** A pure white corn on a red cob. It is sweet, tender, juicy, has short joints and produces an abundance of foliage. Every dairy farmer should grow this sort; will produce very large crops | .10 | .50 |

**Write for prices on California-grown Field Corn.**

## CORN—Pop

**If ordered by mail add 10 cts. per pound for postage.**

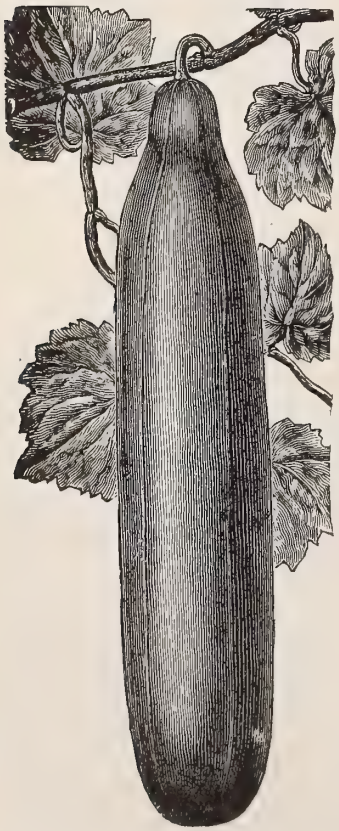
| | PRICES 1 lb. | 10 lb. | 100 lb |
|---|---|---|---|
| **White Rice.** A popular and productive variety. The kernels are fine, white and pointed, and the ears from 4 to 5 inches in length and from 1 to 1¼ in diameter | .10 | .75 | 5.50 |



EARLY MAMMOTH CORN

COVER CROPS—Farmers are more and more appreciating the economy of cover cropping with vetches and other legumes. Germain's is selling these seeds by thousands of pounds, and to help the newcomer into this element of husbandry has arranged with some of the best experts to give advice on the subject. Give us your location, character of soil, and crops raised, and we will mail you information that will mean dollars to you.

WHITE SPINE CUCUMBER



IMPROVED TELEGRAPH CUCUMBER

## CORN SALAD

| | | Oz. | ¼ lb. | 1 lb. |
|---|---|---|---|---|
| **Fetticus, or Lamb's Lettuce.** Used as a substitute for lettuce, also cooked like spinach | Pkt. 5c | .10 | .20 | .70 |

## CRESS OR PEPPER GRASS

| | | | | |
|---|---|---|---|---|
| **Fine Curled.** Used as salad, has warm, pungent taste | Pkt. 5c | .10 | .25 | .75 |
| **Water Cress.** Always in demand in city markets | Pkt. 10c | .35 | 1.00 | 3.50 |

## CUCUMBERS — PACKET 5c

Pepino Gurke Concombre

One ounce will plant 50 hills; two pounds will plant one acre. For early use, plant, if the weather has become settled and warm, in hills 4 feet apart each way; thin out to four of the strongest plants to each hill, after all danger from insects is over. They succeed best in a warm, moist, rich, sandy loam, well manured.

| | Oz. | ¼ lb. | 1 lb. |
|---|---|---|---|
| **Klondike.** A splendid variety of the White Spine family, very early | .15 | .35 | 1.25 |
| **Improved Arlington White Spine.** Vigorous growing, with large symmetrical fruit, fine for forcing | .15 | .35 | 1.25 |
| **Nichol's Medium Green.** One of the best general-purpose cucumbers in cultivation, the young fruit being very symmetrical in shape, deep in color, very crisp; for slicing there is none better | .10 | .30 | 1.00 |
| **Long Green.** Long and crisp; a well-known and popular variety | .15 | .35 | 1.25 |
| **Early White Spine.** One of the best sorts for table use. Vines vigorous, fruiting early and abundantly; fruit uniformly straight and handsome, dark green, with a few white spines; flesh tender and of excellent flavor | .15 | .35 | 1.25 |
| **Evergreen.** This cucumber differs from Early White Spine in retaining a deep green color at all stages of its growth. It is long, very productive, and matures early. A general favorite, either for table use, for market, or for pickling | .15 | .35 | 1.25 |
| **Cumberland.** The vines are hardy, of strong, vigorous growth, and fruit freely. The young cucumbers are of even size and regular form, thickly set with small spines, and are equally attractive for making gherkins or pickles | .15 | .35 | 1.25 |
| **Extra Long White Spine.** A selected strain of the White Spine. Is very uniform in size and exceedingly early, at the same time makes long growth—10 to 12 inches. The variety for forcing and early market | .15 | .35 | 1.25 |
| **Giant Pera.** Early, and one of the most productive long cucumbers. The fruit is straight and cylindrical; with a smooth skin. The flesh is white, clear, crisp and tender, of excellent flavor, with no trace of bitterness | .10 | .30 | 1.00 |
| **Early Russian.** One of the earliest in cultivation, resembles the Early Frame, but is smaller and shorter, being only 4 inches long | .10 | .30 | 1.00 |
| **Early Frame.** Popular for both table and pickling purposes. Growth vigorous, vines very productive, fruit medium size | .10 | .30 | 1.00 |
| **Boston Pickling, or Green Prolific.** One of the best pickling varieties; dark green; also excellent for slicing | .10 | .30 | 1.00 |
| **Early Green Cluster.** A very popular early cucumber, producing its fruit in small clusters near the root of the plant. Its usual length is about 5 inches; skin prickly; flesh white, tender and well flavored | .10 | .30 | 1.00 |
| **Japanese Climbing.** While all cucumbers are running vines this variety is much more running in its habit. It quickly climbs on poles or trellises. It is entirely distinct. Quality is splendid. Well adapted for pickling as well as slicing for salads | .10 | .30 | 1.00 |
| **West India Gherkin.** Oval-shaped; prickly; for pickling only | .20 | .60 | 2.00 |

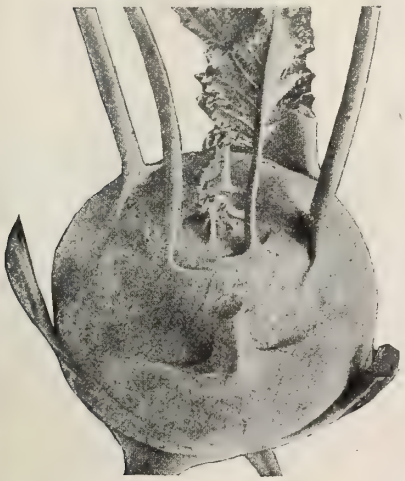
## ENGLISH FORCING, OR FRAME VARIETIES

Superior in every way to the American varieties. Single specimens average 24 inches and over in length. Fruit is crisp and tender, with very few seeds, which makes the price high. They are grown in Europe in the greenhouse, but can be successfully raised out of doors in Southern California.

| | |
|---|---|
| **Improved Telegraph.** Unquestionably one of the best winter cucumbers; indispensable for forcing | Packet 25c |
| **Lockie's Perfection.** A remarkably productive variety, bearing fruits 15 inches in length, perfect models in shape, and of high quality | Packet 25c |

PURPLE BLACK PEKIN EGG PLANT

DWARF CURLED KALE



WHITE KOHL RABI

# DANDELION

Amargon Kuhblume Pissenlit

This vegetable has become very popular as an early healthful green and the roots are used, when dried, as a substitute for coffee.

| | PRICES Pkt. | Oz. |
|---|---|---|
| **Common Variety** | $.05 | $.20 |
| **Improved.** Large-leaved | .10 | .50 |

# EGG PLANT

Berengena Eierpflanze Aubergine

Sow seed in frames if possible. When 3 inches high transplant into small pots, so that the plants may become stocky and be readily planted out from the pots. When the season becomes sufficiently warm, transplant into thoroughly worked and well-enriched soil about 3 feet apart each way. Draw the earth up to the stems when about a foot high. Eggplant seed will not vegetate freely without substantial heat, and if the plants get the least chilled in the earlier stages of their growth they seldom recover. Repeated sowings are sometimes necessary. One ounce of seed will produce 2000 plants.

| | | Oz. | ¼ lb. | 1 lb. |
|---|---|---|---|---|
| **Black Beauty.** A handsome, extra early, large variety | Pkt. 10c | $.60 | $1.75 | $6.00 |
| **Black Pekin.** An early variety, fruit round, purple black and fine grained | Pkt. 10c | .35 | 1.00 | 3.50 |
| **New York Improved.** See Specialties | Pkt. 10c | .35 | 1.00 | 3.50 |
| **Early Long Purple.** An earlier, hardier variety, with club-shaped, dark purple fruit 6 to 8 inches long, a shape preferred by some for slicing; flesh firm | Pkt. 5c | .25 | .75 | 2.50 |

# ENDIVE

PACKET 5c

Escarola o Endivia Endivein Chicoree

This vegetable is highly esteemed as a salad. When the plants are 3 or 4 inches high, transplant 1 foot apart each way, and keep free from weeds, until leaves are 6 or 8 inches long; then blanch the leaves by gathering them carefully together when perfectly dry and tying them at the tips in a conical form with Raffia to exclude light and air. From three to six weeks is required to thoroughly blanch. One ounce of seed will sow a bed of about 80 square feet, or 150 feet of row.

| | | | |
|---|---|---|---|
| **Broad-leaved Batavian.** Leaves broad, nearly plain, light green; best for soups | .15 | .40 | 1.25 |
| **French Moss Curled Green.** Moss-like appearance, beautifully curled | .15 | .40 | 1.25 |
| **Green Curled Winter.** Standard sort for fall and winter crop | .15 | .40 | 1.25 |

# GARLIC

Ajo Knoblauch Ail

| | |
|---|---|
| **Garlic Sets.** 100 lbs., market price | .15 |

# KALE, OR BORECOLE

PACKET 5c

Col Blatterkohl Chou Vert

Sow the seeds in beds, covering lightly. Transplant into rich mellow ground, and cultivate the same as cabbage. They are rendered very tender and delicious by moderate touches of frost. One ounce of seed will produce about 2000 plants.

| | | | |
|---|---|---|---|
| **Dwarf Curled, or German Greens.** Very hardy, excellent for spring use | .10 | .25 | .75 |
| **Green Curled Scotch.** The kind most commonly used; grows to a height of 18 inches, and with good cultivation spreads to 3 feet in diameter; leaves bright green and curled | .10 | .25 | .75 |
| **Jersey, or Tree Kale.** Of vigorous growth, grown for chickens and stock only | .10 | .25 | .75 |
| **Thousand-headed Kale.** Fine for stock and chickens | .10 | .25 | .75 |

# KOHLRABI

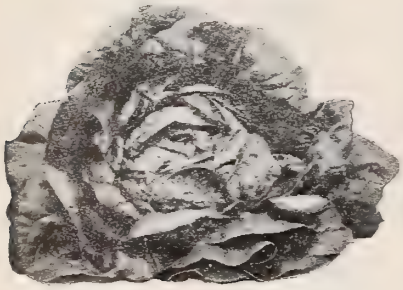
PACKET 5c

Colinabo Kohlrabi Chou-rave

Sow in rows 2 feet apart; thin the plants to 1 foot apart. One ounce of seed will produce about 2000 plants.

| | | | |
|---|---|---|---|
| **Early White Vienna.** Flesh white and tender; very productive | .20 | .60 | 2.00 |
| **Early Purple Vienna.** Very hardy; bluish purple | .20 | .60 | 2.00 |

LONDON FLAG LEEK



CALIFORNIA CREAM BUTTER LETTUCE

PARIS WHITE COS LETTUCE

EARLY CURLED SIMPSON LETTUCE

## LEEK

PACKET 5c

Puerro Lauch Porieau

Sow in drills 1½ foot apart and ½ inch deep, in light, rich soil, liberally manured; thin the plants to 10 inches. One ounce of seed will sow about 100 feet of drill.

| | PRICES Oz. | ¼ lb. | 1 lb. |
|---|---|---|---|
| **London Flag.** A large and strong plant; hardy | $.15 | $.50 | $1.50 |
| **Large Musselburg.** A standard Scotch variety | .15 | .50 | 1.50 |
| **Monstrous Carentan.** A superior variety, with distinct, dark-colored leaves | .15 | .50 | 1.50 |

## LETTUCE

PACKET 5c

Lechuga Salat Laitue

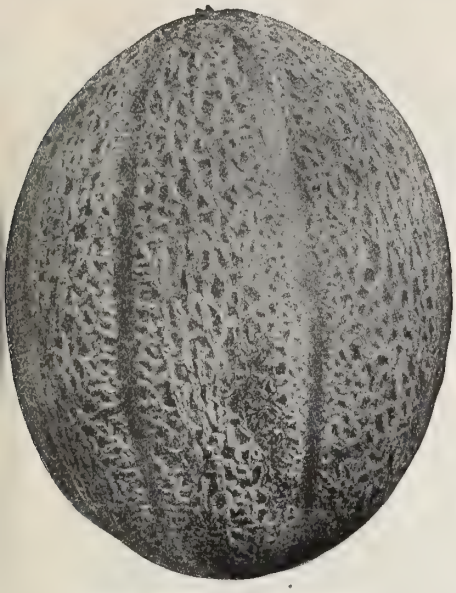
To obtain the best results from lettuce they should be grown rapidly, therefore the soil should be made as rich and friable as possible by frequent cultivation and a liberal application of stable manure. Sow either in beds and then transplant when 2 inches high, or sow in drills and thin to 1 foot apart for heading varieties, and let the rows be 18 inches apart. Hoe often to prevent going to seed. One ounce of seed will produce about 3000 plants.

### CABBAGE OR HEADING VARIETIES

| | | | |
|---|---|---|---|
| **New York.** See Specialties ... Pkt. 10c | $0.20 | $0.45 | $1.50 |
| **California Cream Butter.** A fine summer variety; grows slowly and keeps well | .10 | .30 | 1.00 |
| **Improved Hansen.** Very large, sweet, tender and crisp | .15 | .35 | 1.25 |
| **Iceberg.** A beautiful lettuce, worthy of universal cultivation; leaves curly, bright green; heads unusually solid | .15 | .35 | 1.25 |
| **May King.** Extra large, round solid heads, light green outside, with clear yellow heart; splendid forcer | .10 | .30 | 1.00 |
| **Big Boston.** A most desirable large variety. For outdoor planting it is unsurpassed, as it does very well under great variations of temperature; leaves broad, smooth, thin of a light green color. Heads solid | .10 | .30 | 1.00 |
| **Deacon.** Has few outside leaves, grows very solid, and of a delicious buttery flavor. The center of heads blanch to a bright yellow shade; is very crisp and tender and one of the finest heading summer varieties | .10 | .30 | 1.00 |
| **Perfected Salamander.** One of the leading head varieties in cultivation, especially adapted for summer purposes; solid heads of light green color, with delicious buttery flavor | .10 | .30 | 1.00 |
| **Wonderful.** A splendid variety for market or home use and the best sort adapted for fall sowing. A strong grower, making fine heads | .15 | .35 | 1.25 |
| **White Summer Cabbage.** Compact globular head, medium size; of decided butter flavor and sweet | .10 | .30 | 1.00 |
| **Denver Market.** A Cabbage heading variety medium large, slow to run to seed | .10 | .30 | 1.00 |
| **Drumhead.** Quality excellent; of buttery flavor, medium large, slow to seed, good substance | .10 | .30 | 1.00 |
| **Black Seeded Butter.** Medium size of splendid quality; head firm and globular, sweet and buttery | .10 | .30 | 1.00 |
| **Boston Market.** A small globular head of good quality, sweet and buttery in flavor, very early | .10 | .30 | 1.00 |
| **Black Seeded Tennisball.** A splendid and delicately flavored variety of butter type, firm, round heads | .10 | .30 | 1.00 |
| **Paris White Cos.** An excellent variety; large, crisp, tender and of fine flavor; resists warm weather and is the best Cos lettuce yet introduced. Known also as Romaine Cos | .15 | .35 | 1.25 |

### CURLED OR LOOSE LEAVED VARIETIES

| | | | |
|---|---|---|---|
| **Black-seeded Simpson.** One of the best; leaves are large, thin and exceedingly tender | .10 | .30 | 1.00 |
| **Early Curled Simpson.** A popular early sort; forms large, loose heads | .10 | .30 | 1.00 |
| **Grand Rapids.** The most popular variety for greenhouse planting; quick growth | .10 | .30 | 1.00 |
| **Prizehead.** Large, loose-headed sort; leaves tinged with brown; very heavy | .10 | .30 | 1.00 |



EDEN GEM CANTALOUPE

ROCKY FORD

MONTREAL MARKET

# MUSKMELONS

Melon Almizeleno Cantalupen Muscade

Select light, warm soil, plant in hills 6 feet apart each way, six or eight seeds to the hill; thin out to three or four plants when in a forward state. The hills should be prepared by digging out the soil 1½ feet deep, thoroughly mixing in each hill a couple of shovelfuls of well-decomposed stable manure, filling up a little above the level. The planting should be deferred until warm, settled weather. One ounce of seed will plant about 100 hills.

## GREEN FLESHED VARIETIES

| | PRICES Oz. | ¼ lb. | 1 lb. |
|---|---|---|---|
| **Rocky Ford.** The melons are regular and even in size, weighing about 1½ pounds, slightly oval in shape, finely netted; flesh is light green in color and of delicious flavor. The seed we offer was saved by one of the best melon growers in the country and is strictly first-class..... Pkt. 5c | $.10 | $.30 | $1.00 |
| **Burrell's Thoroughbred Rockyford Cantaloupe.** This is considered an improvement on the Rocky Ford; our seed is selected with the greatest of care.....Pkt. 5c | .15 | .50 | 1.50 |
| **Eden Gem Cantaloupe.** This is one of the finest melons to grow, either for market or home use. It is immensely prolific, 20 to 30 perfect melons to a vine being common. The skin is heavily netted, flesh light green and of excellent quality..... Pkt. 5c | .15 | .50 | 1.75 |
| **Improved Watter's Solid Net.** A splendid early variety largely grown by successful market growers, medium sized fruit, heavily laced netting, slightly ribbed; flesh light-green, sweet and fine flavor..... Pkt. 5c | .15 | .60 | 2.00 |
| **Jenny Lind.** Small, round-flat fruits, deeply ribbed; flesh yellowish-green and of unsurpassed flavor very productive. Pkt. 5c | .15 | .40 | 1.25 |
| **Long Island Beauty.** Fruits of large size, well flattened, heavily ribbed and netted; of very handsome appearance and fine quality. This variety ripens as early and is similar to the Hackensack, but is superior..... Pkt. 5c | .15 | .35 | 1.25 |
| **Extra-Early Hackensack.** Very popular sort, producing large, handsome, extra-early melons of the very best quality. It is some two weeks earlier and almost as large as the famous New Jersey Hacksenack; fruit nearly round, deeply ribbed and very coarsely netted. The flesh is green and most delicious . . Pkt. 5c | .15 | .35 | 1.25 |
| **Large Hackensack.** Large fruit covered with coarse netting; thick green flesh, sweet and fine flavored..... Pkt. 5c | .15 | .35 | 1.25 |
| **Montreal Market.** A very large, green nutmeg type, almost round, heavily netted; thick, luscious flesh, late and especially adapted to cool climates..... Pkt. 5c | .10 | .40 | 1.25 |
| **Champion Market.** This is a most prolific variety, flesh green and deep. Fine flavor. Fruit nearly round, ribbed and heavily netted..... Pkt. 5c | .15 | .40 | 1.25 |
| **Chicago Market.** Large green fleshed nutmeg good quality; ends flattened, rind heavily netted; flesh thick and sweet.. Pkt. 5c | .15 | .35 | 1.25 |
| **Green Flesh Osage.** Osage quality, light green flesh..... Pkt. 5c | .15 | .35 | 1.25 |
| **Prolific Nutmeg.** Thick green flesh, fine flavor..... Pkt. 5c | .15 | .40 | 1.25 |
| **The Model.** Early and very prolific; flesh green in color, thick and fine flavor; oblong in shape, ribbed and finely netted. Splendid market variety.....Pkt. 5c | .15 | .50 | 1.50 |
| **Large Yellow Cantaloupe.** Large oblong shaped fruit, coarsely netted, ribbed slightly; flesh yellowish green and sweet. .Pkt. 5c | .15 | .40 | 1.25 |
| **Pineapple Cantaloupe.** Medium size, early, flesh green and rich flavor .....Pkt. 5c | .15 | .40 | 1.25 |

## SALMON FLESHED VARIETIES

| | | | |
|---|---|---|---|
| **Burrell's Gem.** A splendid new variety. Superior to Rocky Ford. Flesh thick and salmon in color and fine flavor, rind heavily netted, grows to about 21 lbs. each.....Pkt. 5c | .15 | 50 | 1.50 |
| **Nutmeg Tip Top.** An improved strain; very sweet.....Pkt. 5c | .15 | .50 | 1.50 |
| **Paul Rose.** Handsome; oval, new variety; rich orange, flesh very sweet.....Pkt. 5c | .15 | .35 | 1.25 |
| **Emerald Gem.** A small, very early melon; form globular, flesh salmon-colored, exceptionally fine flavor.....Pkt. 5c | .15 | .50 | 1.50 |

SANTA CLAUS MUSKMELON

## MUSK MELONS (Continued)

| | PRICES Oz. | ¼ lb. | 1 lb. |
|---|---|---|---|
| **Miller's Cream, or Osage.** The fruit is large and round, with light green netted skin and thick, sweet, salmon-colored flesh Pkt. 5c | $.15 | $.35 | $1.25 |
| **Banana.** Grows 1½ to 2 ft. in length and 3 or 4 inches in diameter; flesh salmon, and exquisitely flavored, resembling banana. Brings a high price in Eastern markets.....Pkt. 5c | .15 | .35 | 1.25 |
| **Casad's Improved Special.** See inside front cover and illustration outside back cover.....Pkt. 25c | | | |
| **Mango Melon, or "Vine Orange."** Size, shape and color of an orange, fine for preserving or pickling.....Pkt. 10c | .20 | .60 | 2.00 |

## CASSABAS

| | | | |
|---|---|---|---|
| **Eastern Cassaba.** Long oval-shaped, skin very thin and delicate; flesh extremely tender, rich and sweet..... Pkt. 5c | .10 | .30 | 1.00 |
| **Genoa Cassaba.** This is a late variety of oblong shape; skin dark green with whitish marking or mottling; flesh pale green, or nearly white, of excellent flavor, and fine aroma. As its name implies, it is an Italian melon, in which country it is very largely grown and highly esteemed for its fine qualities..... Pkt. 10c | .25 | .90 | 3.00 |
| **Cassaba, or Winter Pineapple.** A large, late melon, of unique appearance, corrugated skin, green flesh of pronounced pine-apple flavor. Melons do not ripen on the vines, and the flavor is greatly improved after being stored in a cool place.... Pkt. 10c | .20 | .60 | 2.00 |
| **Santa Claus.** The latest melon grown. Thin, hard skin with yellowish brown markings, flesh light green and good flavor. Can be picked in September or October and will keep for several months..... Pkt. 10c | .25 | .75 | 2.50 |
| **Golden Beauty.** A variety of Winter Pineapple which it resembles in every way except color..... Pkt. 10c | .25 | .75 | 2.50 |
| **Improved Hybrid Cassaba.** A variety that ripens late and is a good keeper. Thick flesh of excellent quality..... Pkt. 10c | .25 | .75 | 2.50 |

WINTER PINEAPPLE CASSABA

## IMPORTED VARIETIES FOR FORCING

**Blenheim Orange.** A favorite variety; scarlet flesh.....Pkt. 25c
**Windsor Castle.** Green flesh, oval shape, finely netted, delicious flavor.....Pkt. 25c

# WATERMELONS

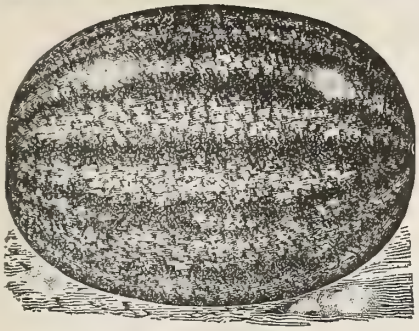
PACKET 5c

Sandia Wassermelone Melon d'Eau

As soon as the weather becomes settled and warm, select soil and manure as recommended for muskmelons. Plant in hills 6 to 8 feet apart, six to ten seeds, 1 inch deep, and thin to three best plants. Hoe often, and gradually hill up until the vines touch; after the flowers appear, pinch off the extreme end of the most luxuriant shoots.

| | Oz. | ¼ lb. | 1 lb |
|---|---|---|---|
| **Germain's Improved White Seeded Chilian.** See colored insert..... | $.10 | $.35 | $1.00 |
| **Chilian Brown Seeded.** Similar in shape and appearance to the white seeded variety..... | .10 | .35 | 1.00 |
| **Halbert Honey.** Oblong, dark green skin, thin rind, crimson flesh, luscious flavor..... | .10 | .30 | 1.00 |
| **Alabama Sweet.** This is a very popular variety in the South, especially in Texas, where they grow it in preference to any other melon. In shape it is long, color dark green, flesh red and absolutely stringless..... | .10 | .25 | .75 |
| **Cuban Queen.** Melons are oblong in form; skin striped, dark and light green. Rind quite thin, but tough enough for shipping. Flesh bright red and of fine quality..... | .10 | .25 | .75 |
| **Fordhook Early.** This is the earliest large-fruited melon in cultivation, weighing 30 to 40 pounds each; has deep green skin and is an excellent shipper; the flesh is light red, crisp, sweet and of splendid quality..... | .10 | .25 | .75 |
| **Sweet Heart.** Large fruits of oval or round form; flesh is a deep rich red, crisp and melting..... | .10 | .25 | .75 |

MANGO MELON



COLES' EARLY

IRONCLAD WATERMELON

KOLB'S EARLY

KLECKLEY SWEET

## WATERMELONS (Continued)

PACKET 5c

| | PRICES Oz. | ¼ lb. | 1 lb |
|---|---|---|---|
| **Kleckley's Sweet.** This new melon is one of the very best for the home market or for family use. The melons are large, 18 to 20 inches long and 10 to 12 inches in diameter, dark green; rind thin, flesh scarlet and very sweet | $.10 | $.30 | $1.00 |
| **Georgia Rattlesnake, or Gypsy.** Standard southern variety, which possesses remarkable shipping qualities; oblong, scarlet flesh, crisp and juicy | .10 | .30 | 1.00 |
| **Girardeau's New Favorite.** Resembles the Florida Favorite, but is larger. It is early, productive, tender and crisp; has bright red, very sweet flesh. The rind is thin and too tender to stand shipment long distance. Splendid for home or near-by market. | .10 | .25 | .75 |
| **The Bradford.** A fine flavored large shipping melon, oblong in shape with rather square ends. The skin is very dark green with darker stripes. The flesh is very tender and solid. Dark red in color, and of excellent flavor. The rind is thin and tough, making it a very desirable shipping melon. Under favorable conditions they grow to a large size and command high prices in the eastern markets | .15 | .35 | 1.25 |
| **Ironclad Mammoth.** Grows to a very large size, striped like Gypsy, of great substance | .10 | | .50 |
| **Dixie.** Combines the splendid qualities of Kolbs Gem and Mountain Sweet. Color dark green with lighter stripes, rind thin, flesh rich scarlet and splendid flavor | .10 | | .50 |
| **Kolb's Gem.** A strong grower, a large round or oval shaped melon. Striped irregularly with dark and light green mottlings, flesh firm and rich, a good keeper | .10 | | .50 |
| **Coles Early.** A medium sized melon, oblong with mottled stripes, flesh bright red and solid, sweet and delicious flavor. Adapted to a variety of climates | .10 | | .50 |
| **Lodi.** A long shaped green melon. Flesh bright red and sweet. Its thin but tough rind makes it a fine shipper, well known all over California, where it originated | .10 | .25 | .75 |
| **Light Icing.** Flesh solid of good flavor, splendid quality, rind thin. | .10 | | .50 |
| **Yellow-fleshed Ice Cream.** This melon has become very popular among the local growers around Los Angeles; in fact, in past seasons we have never been able to secure enough stock to supply the demand. The melon grows very large, of oblong shape, the flesh is a beautiful yellow, and has a peculiar, delicious flavor, different from any other variety | .15 | .50 | 1.50 |
| **Florida Favorite.** An old popular, long-stripe melon of good quality | .10 | .30 | 1.00 |
| **McIver's Wonder Sugar.** One of the sweetest melons grown, medium size, striped, flesh red, stringless and excellent quality | .10 | .25 | .75 |
| **Peerless.** Medium size, rind thin, flesh bright scarlet and a flavor of honey sweetness | .10 | .25 | .50 |
| **Phinneys Early.** Very early of medium size, stripes light and dark mottled, flesh pink, sweet and delicious | .10 | | .50 |
| **Triumph.** A cross between Kolb's Gem and Duke Jones but much finer than either, a good shipping melon of fine flavor | .10 | | .50 |
| **Colorado Preserving Citron.** Excellent for making preserves | .10 | .20 | .60 |

## STOCK MELON

| | | | |
|---|---|---|---|
| **Green Seeded Citron.** A hardy, productive variety for feeding purposes | .10 | .30 | |

## COLLECTIONS OF VEGETABLE SEEDS

**Our ready packed collections offer an easy solution of the amateurs' problem of selection, and this year are of unusual value. Only the highest grade of seeds are used, and no buyer will be disappointed in their use. There are three sizes of collections, 75c., $2.50 and $5.00. See page 10.**

MUSHROOMS

# MUSHROOM SPAWN

Seta Schwamm Champignon

**English.** In bricks. Per lb. 20 cts. Postage extra, 10 cts. per lb.

**French.** In two-pound boxes, including pamphlet of cultural directions. Each $1; four-pound boxes, $2. Too heavy for the mails; sent only by express at the purchaser's expense.

**Write for pamphlet of instructions, mailed free.**

**White French.** New Virgin Spawn. This new spawn produces the finest mushrooms in cultivation, and one trial will convince all growers of its wonderful merits. Price, 30 cts per tablet, $3 per dozen.

Cultural instructions for growing mushrooms given free to every purchaser of spawn.

# MUSTARD

Mostaza Cenf Moutarde

**If ordered by mail, add 10 cts. per pound for postage.**

| | | PRICES Oz. | ¼ lb. | 1 lb. |
|---|---|---|---|---|
| **Ostrich Plume.** So called for its feathery appearance; very ornamental as well as useful | Pkt. 5c | $.10 | $.30 | $ .90 |
| **Southern Curled.** Leaves very large, 14 to 16 inches in length, which are cooked like spinach, and have a very agreeable flavor. One of the best green foods for poultry | Pkt. 5c | .10 | .25 | .75 |
| **White London.** Best for salads or medicinal purposes | Pkt. 5c | .10 | .15 | .40 |
| **Brown or Black.** More pungent than white | Pkt. 5c | .10 | .15 | .40 |
| **White, Chinese.** Bak Toi | Pkt. 10c | .25 | ·75 | 2.50 |
| **Green, Chinese.** Gui Toi | Pkt. 10c | .35 | 1.00 | 3.50 |

LONG GREEN OKRA

# OKRA

Quimbomo Ocher Gombo

This vegetable produces long, nutritious pods, which, when young, are used in soups and stews, to which they impart a rich flavor. Sow after the ground has become warm, in drills 2 inches deep, 2½ feet apart; thin out the plants to 9 inches in the row; hoe often and draw the earth up to the stems. One ounce of seed will sow 50 feet of row.

| | | | | |
|---|---|---|---|---|
| **Perkins' Mammoth.** Plant dwarf; very productive. Produces beautiful, long, slender deep green pods, which remain tender a long time. An extra choice variety | Pkt. 5c | .10 | .25 | .80 |
| **Early Dwarf.** Productive; pods white, round, smooth | Pkt. 5c | .10 | .20 | .60 |
| **Long Green.** Later and more productive; ribbed pods. | Pkt. 5c | .10 | .20 | .60 |
| **White Velvet.** Pods round, smooth, free from seams; exceedingly tender, well flavored and very prolific | Pkt. 5c | .10 | .20 | .60 |

# ONIONS

Cebolla Swiebel Ognon

Select fine, light soil and manure heavily with the oldest and strongest compost that can be procured. Plow to a depth of 5 inches, and work well with the cultivator. Plow again at right angles with the first furrows, and again thoroughly cultivate. The ground will then be in fine working order, and should be leveled smoothly with a rake. Drill 14 inches apart, sowing the seed thinly; cover a quarter of an inch deep with fine soil and press down with the back of a spade or light roller. When the young plants are strong enough, thin gradually so that they stand finally 4 inches apart. Keep clean from weeds and take care that the earth does not accumulate around the bulbs, but allow them to bottom above the ground. When the greenness has left the tops of the onions, pull them and let them dry a few days before storing. One ounce of seed will sow about 100 feet of drill. Four pounds to the acre.

**Onion Sets.** This is an item that has been in charge of one of our best men. Growers will find our sets clean and healthy. If ordered by mail, add 10 cts. per pound for postage. Price per 100 pounds on application. Yellow Bottom, pound 20 cts., White Bottom, pound 20 cts., Australian Brown, pound 20 cts.

ONION SETS

| | | Oz. | ¼ lb. | 1 lb. |
|---|---|---|---|---|
| **Early Barletta or Adriatic Barletta.** A very early variety with clear silver skin, bulbs small, pure white, firm, delicate in flavor; best kind for young onions and for pickling | Pkt. 5c | $.25 | $.60 | $2.25 |
| **Germain's Yellow Flat Danvers.** Straw-color, mild in flavor, and excellent keepers | Pkt. 5c | .20 | .50 | 1.50 |
| **Bermuda White.** (Teneriffe-grown). Broad and flat, a pale straw color; flesh crisp, solid and mild in flavor | Pkt. 5c | .25 | .75 | 2.50 |
| **Ailsa Craig.** A splendid English variety of immense size, oval in shape and of a pale straw color, flavor exceedingly mild and delicate | Pkt. 10c | .35 | 1.00 | 3.50 |

## ONIONS (Continued)

GIANT ROCCA ONION

WHITE GLOBE ONION

SILVER KING ONION

| | PRICES Oz. | ¼ lb. | 1 lb. |
|---|---|---|---|
| **Red Bermuda.** An early variety resembling the White Bermuda except in color, which is a pale red, flesh crisp and mild in flavor. A fine market onion. (Teneriffe-grown seed.) ..... Pkt. 5c | $.25 | $.75 | $2.50 |
| **Giant Rocca.** A splendid variety, of delicate flavor, bulbs large and globular in shape; skin light brown; weighing 2 to 3 pounds. Very productive and a splendid keeper ..... Pkt. 5c | .25 | .75 | 2.50 |
| **Australian Ex-Early Yellow Globe.** The earliest of the Globe Onions and an extra long keeper. The onions weigh four to six ounces each. Skin thin, and are mild and of splendid flavor; small top equal to the Australian brown in every way excepting the onions average slightly smaller in size ..... Pkt. 5c | .25 | .70 | 2.50 |
| **New Queen.** Very early, flat, beautifully white and of the finest flavor; grows to a fair size in California, and is one of our best market varieties, its principal recommendation being its rapidity of growth and its long-keeping qualities. Also an excellent variety for pulling green or pickling ..... Pkt. 5c | .20 | .70 | 2.00 |
| **White Portugal, or Silver Skin.** This variety is one of the leading white sorts, and is of beautiful shape and very mild flavor. The bulbs are flat and mature early. It is a splendid variety for both family use and market-garden. It grows to a fair size. bulbs averaging 2 to 3 inches in diameter ..... Pkt. 5c | .30 | .90 | 3.00 |
| **Giant White Italian Tripoli.** (El Paso, or large Mexican.) Bulbs of large size and beautiful form, with white skin. Under good cultivation large onions can be raised in a single season from seed, weighing from one to one and one-half pounds, but will attain much larger size if planted in beds in December or January and then transplanted. In this way an early crop is assured Pkt. 5c | .25 | .60 | 2.00 |
| **Yellow Globe Danvers.** A well known early onion of fine quality. Flesh white and firm. Color a bright orange; grows to a good size, hardy, a sure cropper and excellent keeper ..... Pkt. 5c | .20 | .50 | 1.50 |
| **Crystal White Wax.** A very early onion of the Bermuda type; pure white in color and of mild flavor, especially adapted for fall planting for the early markets ..... Pkt. 10c | .30 | 1.00 | 3.00 |
| **Australian Brown.** See specialties ..... Pkt. 5c | .15 | .50 | 1.75 |
| **Large Red Wethersfield.** Grows very large, keeps well and is of fine flavor ..... Pkt. 5c | 20 | .60 | 2.00 |
| **Prize-Taker.** The largest of the yellow onions, globular in shape, of a pale straw-color. Produces enormous crops; bulbs frequently weigh as high as three pounds each ..... Pkt. 5c | .20 | .60 | 2.00 |
| **Southport Yellow Globe.** The Southport Onions are handsome globe shaped bulbs of excellent quality, uniform in size and fine keepers. The yellow is one of the earliest ..... Pkt. 5c | .15 | .50 | 1.75 |
| **Southport Red Globe.** Grows to a good size, rich red color with small neck. A fine keeper ..... Pkt. 5c | .15 | .45 | 1.50 |
| **Southport White Globe.** A great yielder, fine grained and firm, flavor mild ..... Pkt. 5c | .20 | .60 | 2.25 |
| **Mammoth Silver King.** A very large growing white onion, uniform in shape ..... Pkt. 5c | .20 | .60 | 2.00 |

# PEAS

**PACKET 5c**

Chicharos o Guisantes Erbsen Pois

The Pea is one of our most important crops, and to be successfully grown must be liberally treated. A deep, rich soil, well pulverized, and incorporated with a fair allowance of well-decayed manure, should be chosen for the principal crops. For early peas the ground does not require to be so rich. Sowing of the first early variety should be made in October, and the other varieties, for successive crops, planted every two weeks until April 1.

Peas are sown in single or double rows, from 2 to 6 feet apart, according to the variety or the height to which they attain. Have rows of the dwarf varieties 2 feet apart, and those of the medium sorts from 3 to 4 feet apart, and the tall varieties from 5 to 6 feet apart. Tall varieties require sticks. Two pounds will sow 100 feet of row.

## FIRST EARLY VARIETIES

| | Hght. | PRICE 1 lb. | 10 lb. | 100 lb. |
|---|---|---|---|---|
| **American Wonder.** Extra early, dwarf, compact growth, wrinkled ..... | 1 ft. | .20 | $1.75 | $15.00 |
| **Gradus.** Early as American wonder, pods as large as Telephone, a superior variety ..... | 2½ ft. | .25 | 2.00 | 15.00 |
| **McLean's Little Gem.** Green, wrinkled, early marrow, delicious flavor ..... | 1 ft. | .20 | 1.75 | 15.00 |
| **Premium Gem.** Splendid wrinkled variety, very early, fine flavor ..... | 1½ ft. | .20 | 1.75 | 15.00 |

TELEPHONE PEAS

## PEAS—SECOND EARLY VARIETIES

| | Hght. | PRICE 1 lb. | 10 lb. | 100 lb. |
|---|---|---|---|---|
| **Abundance.** Good bearer; peas large and of excellent quality | 1½ ft. | .20 | 1.75 | 15.00 |
| **Dwarf Sugar.** Edible pods. Pods beautifully crimped, very sweet, delicious flavor; cook same as snap beans | 3 ft. | .20 | 1.75 | |
| **Stratagem.** A very heavy cropper, producing large, well-filled pods of excellent quality. One of the finest peas in cultivation | 2 ft. | .20 | 1.75 | 15.00 |
| **Yorkshire Hero.** See colored insert | 2½ ft. | .20 | 1.50 | 12.00 |

## LATE VARIETIES

| | | | | |
|---|---|---|---|---|
| **Ever-bearing.** Remarkably prolific; pods are very fine and closely filled | 3 ft. | .20 | 1.75 | 15.00 |
| **Telephone.** Handsome, well-filled pods; peas large size, good quality | 5 ft. | .25 | 1.75 | 15.00 |

# PARSLEY

Perijil Petersilie Persil

Parsley succeeds best in rich, moist soil. Sow thickly in drills 1 foot apart and ½ inch deep. When the plants are 2 inches high, thin them out to 4 inches apart. One ounce of seed will sow about 50 feet of row.

| | PACKET 5c Oz. | ¼ lb. | 1 lb. |
|---|---|---|---|
| **Champion Moss-Curled.** Beautifully curled, finest variety for garnishing | .10 | .25 | .75 |
| **Fine Double Curled.** Fine dwarf | .10 | .25 | .75 |
| **Hamburg, or Turnip-rooted.** The roots are excellent for flavoring soups | .10 | .35 | 1.00 |

# PARSNIP

Chirivia Pastinake Panais

Sow in drills of rich soil 1½ inches deep and 15 inches apart, and cultivate the same as carrots. One ounce of seed will sow about 50 feet of row.

| | PACKET 5c Oz. | ¼ lb. | 1 lb. |
|---|---|---|---|
| **Improved Guernsey.** Half-long. The roots do not grow as long as the Hollow Crown, but are larger in diameter and more easily gathered | .10 | .25 | .75 |
| **Hollow-Crowned.** Best Parsnip grown either for table or stock | 10 | .25 | .75 |
| **Short Round, or Turnip-rooted.** For shallow soil | .10 | .25 | .75 |

# PEPPERS

Pimiento Pfeffer Pimenl

Sow early in the spring in a frame; transplant when the weather is favorable to open ground in rows 18 inches apart and 10 inches apart in the row. The ground should be highly manured before transplanting. When about 6 inches high, hoe the plants and earth up slightly.

| | | Oz. | ¼ lb. | 1 lb. |
|---|---|---|---|---|
| **Early Neapolitan Pepper.** Very early, large, mild and sweet, and unusually productive. Extra fine for slicing and mangoes | Pkt. 10c | $.40 | $1.25 | $4.00 |
| **Cayenne.** Pods small, long and tapering; coral red when ripe, very hot and strong, best kind for seasoning pickles; the Cayenne Pepper of commerce | Pkt. 5c | .25 | .60 | 2.25 |
| **Cherry.** Small, round, smooth and productive | Pkt. 5c | .25 | .75 | 2.50 |
| **Large Sweet Mountain.** Large and excellent for mangoes | Pkt. 5c | .25 | .75 | 2.50 |
| **Chinese Giant.** Most desirable new large, variety; thick flesh, mild and sweet | Pkt. 10c | .50 | 1.75 | 6.00 |
| **Large Bell, or Bull Nose.** Early, sweet and of good flavor | Pkt. 5c | .25 | .75 | 2.50 |
| **Chili, Small, or Bird's Eye.** Pods pendent, shapely, conical, about 1½ inches in length very piquant; excellent for pickles | Pkt. 5c | .25 | .75 | 2.50 |
| **Mexican Chili.** Beautiful and productive; 3 to 4 inches in length, pungent | Pkt. 5c | .10 | .35 | 1.00 |
| **Golden Dawn.** Resembles the well known Bell in shape but the fruit is of a beautiful golden yellow | Pkt. 5c | .25 | .75 | 2.50 |
| **Chili Piquin.** Fruit small and round, fiery hot, fine for seasoning or pepper sauce | Pkt. 5c | .25 | .70 | 2.50 |
| **Monstrosity.** A very large growing variety of fine quality and the best for making mangoes | Pkt. 10c | .40 | 1.25 | 4.00 |
| **Ruby King.** A large growing sweet pepper of the Neapolitan type strong grower and prolific | Pkt. 5c | .25 | 1.00 | 3.50 |
| **Anaheim Chili.** The well known variety of hot pepper used so much in local Spanish cooking | Pkt. 5c | .25 | .75 | 2.50 |
| **Red Cluster.** As the name implies the fruit grows in clusters. It is very prolific and of dwarf habit | Pkt. 10c | .25 | .75 | 2.50 |

CHAMPION MOSS-CURLED PARSLEY

# POTATOES

LARGE BELL OR BULL NOSE

The seed potatoes we send out are seed potatoes in every sense the word **Seed** should imply. They are not only the best we can supply, but the best to be had from any source at any price. To that end they will be not only strictly true to name, but hand sorted, selected stock such as anyone will be proud to plant.

**CHANGE YOUR SEED.**—There is profit as well as satisfaction in planting our seed, for, not only is it pure, but the additional yield to be secured from a change of seed ought every time to fully pay for the seed itself, so that the investment itself is really nothing.

**CULTURE.**—The soil best suited to the Potato is a rich, sandy loam, but it seems to thrive in almost any soil or climate. The Potato, being a gross feeder, requires a liberal application of manure; if stable manure is to be used, it should be well rotted, and not allowed to come in contact with the tubers On no other crop are the results from the use of the phosphates so manifest as on the Potato; almost invariably the tubers are smoother, brighter and freer from rust and the destructive influence of wire worms. The best fertilizers are super-phosphate of lime and bone-dust. Plant in rows 3 feet apart and 1 foot in the rows; covering about 4 inches; draw the earth to the plants as they advance in growth.

**USE FORMALDEHYDE.**—Our seed is clean, healthy and free from scab; and in order that the product may be equally so we urge our customers to treat the seed they plant with Formaldehyde, as their soil may be infected. Formaldehyde prevents scab, increases the yield and improves the quality of the potato.

**New Snow.** A valuable new potato is the earliest "white skinned" variety. In this we have a potato which we are certain many of our customers will want. It is but three or four days later than the Triumph, and will thrive on poorer soil than other varieties. In shape they are ideal, and in size remarkably uniform—very few abnormally large specimens, and very few small ones. A load of these potatoes on any market should sell at a premium, so distinguished, clean and handsome are they in appearance. 10 lbs., 35 cts. 100 lbs. $3.00.

EARLY HARVEST KING

**Early Harvest King** is the greatest yielder of any early potato known, the best two crop potato grown. Large, white tubers, very rich and delicate in flavor, splendid mealy potato when cooked. 10 lbs., 35 cts. 100 lbs., $3.00

**Red Triumph.** Very prolific and earlier than Early Rose. The color of skin is light red, size medium, nearly round and uniform in growth, flesh white and mealy. 10 lbs. 30 cts; 100 lbs., $ 300.

**White Rose.** A well known variety early, hardy and productive. 10 lbs., 30 cts; 100 lbs., $2.50.

**Pink Rose.** Similar to White Rose except in color of skin. 10 lbs., 30 cts; 100 lbs., $2.50.

**Early Ohio.** A popular well-known variety, stands dry weather well and is a good producer. 10 lbs., 30 cts.; 100 lbs., $2.50.

**Burbank.** The best late variety grown and so well known as to need no descripti on 10 lbs., 30 cts.; 100 lbs., $2.50.

Prices subject to change, write for prices on large quantities.

## POTATOES—SWEET

We will be able to supply Potatoes of such varieties as Yellow Nansemond, Large White and Jersey Red during the fall and winter up to February, and plants after March 1st. For plants see page 31.

# PUMPKINS

PACKET 5c

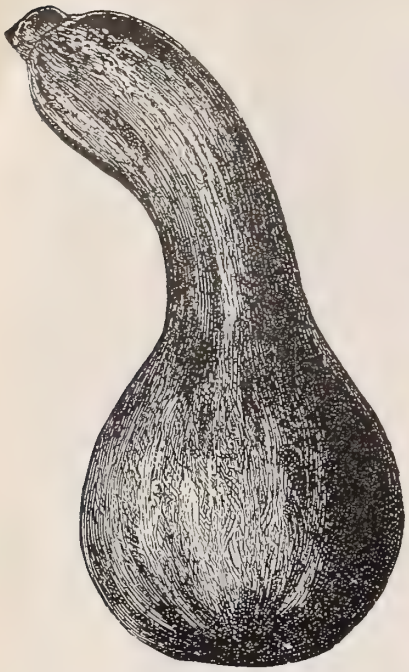
Calabasa Kurbis Courge

Plant in manured hills 8 feet apart, and leave three strong, healthy plants in each hill. When planted among corn take every fourth row. Keep as far from melons and cucumbers as possible, as they are apt to mix. One pound of seed will plant about 400 hills.

LARGE CHEESE PUMPKIN

| | PRICE Oz. | ¼ lb. | 1 lb. |
|---|---|---|---|
| **Large Yellow Mammoth Potiron.** Rich, dark yellow, and the flesh of a little lighter shade; a remarkable keeper | .10 | .50 | $1.50 |
| **Cushaw** (Crook-necked.) Solid flesh, fine and sweet; keeps well | .10 | .25 | .75 |
| **Cheese.** Size large; skin reddish orange; flesh thick, fine and sweet; keeps well | .10 | .20 | .60 |
| **Connecticut Field.** The true eastern kind for stock; seeds much used medicinally | .10 | .25 | .75 |
| **Quaker Pie.** Nearly oval; color creamy white inside and out; flesh sweet and rich; good keeper | .10 | .25 | .75 |

## PUMPKINS (Continued)



JAPANESE PIE

| | PRICES Oz. | ¼lb. | 1 lb. |
|---|---|---|---|
| **Early Sugar.** Fine-grained, sweet and prolific; small yellow.... | $.10 | .25 | $ .75 |
| **Winter Luxury.** A fine keeper and one of the best for pies..... | .10 | .35 | 1.00 |
| **Tennessee Sweet Potato.** A good variety for making pies and other cooking purposes. It is of medium size, of a white, creamy color, and has an excellent flavor; good keeper..... | .10 | .35 | 1.00 |
| **Japanese Pie.** The flesh is nearly solid; the seed cavity being very small in one end of the pumpkin, fine grained dry and sweet, having much the taste and appearance of sweet potatoes. They ripen early, keep well and are fine for home use. The seeds have peculiar marks resembling characters of the Chinese alphabet..... | .10 | .35 | 1.00 |
| **Small Sweet or Sugar.** This is the small, sweet pumpkin that has made the New England States famous for their pumpkin pies. It is very fine-grained, and a splendid keeper..... | .10 | .25 | .75 |
| **Mammoth Tours, or Jumbo** (King of Mammoths). Is of immense size, often weighing 150 pounds; very productive and a good keeper..... | .10 | .35 | 1.00 |
| **If ordered by mail, add 10 cts. per pound for postage.** | | | |
| **California Field.** Selected; very large..... | | | .40 |
| **Large Sweet Field.** Very popular among the local growers; size very large; hardy and productive..... | | | .40 |

## ROSELLE (See Flower Seed List)

## RADISHES

PACKET 5c
CRIMSON GIANT 10c

Rabano Radies Radis

The Radish will succeed in any good garden soil not over-moist or too heavy. A sandy loam enriched by well rotted manure is best. For early and late crops a warm, sheltered situation should be chosen, whilst for those sown in the heat of the summer a rather shady spot must be selected. For a succession sow every two weeks. The ground where the sowing is to be made should be dug deep aud raked fine. The seed is generally sown thinly broadcast, in beds 4 to 5 feet wide, with 1-foot alleys between. One ounce of seed will sow about 50 feet of drill or a bed of 40 square feet.

WHITE STRASBURG RADISH

SCARLET TURNIP RADISH

| | Oz. | ¼lb. | 1 lb. |
|---|---|---|---|
| **Crimson Giant Turnip.** Twice as large as any of the turnip-shape varieties, but notwithstanding its large size it does not get hollow or pithy; the flesh is white, solid, crisp and of mild flavor. Excellent for forcing on open ground..... | $.20 | $ 35 | $1.00 |
| **Early Scarlet Globe.** This superb variety is undoubtedly the best-known radish in cultivation. Very solid, bright red color and of unequaled quality; is highly recommended for market use... | .10 | .25 | .75 |
| **Scarlet Turnip.** An excellent early variety; crisp and tender.... | .10 | .30 | .90 |
| **Scarlet Turnip, White-tipped.** An early variety of excellent quality | .10 | .30 | .90 |
| **Scarlet, Olive-shaped.** Oval; very early and handsome; flesh rose-colored, tender and brittle..... | .10 | .30 | .90 |
| **French Breakfast.** A fine early variety; olive-shaped; scarlet body with white tips..... | .10 | .25 | .75 |
| **Early Long Scarlet Short Top.** Roots long; pinkish color; flesh white and crisp..... | .10 | .25 | .75 |
| **Epicure.** See Specialties .....Pkt. 10c | .15 | .30 | 1.00 |
| **White Strasburg.** One of the most valuable summer radishes.... | .10 | .25 | .75 |
| **Long White Icicle.** In form half-long, pure white and very crisp. Very quick in growth and of delicious flavor..... | .10 | .25 | .75 |
| **Black Spanish Winter, Long.** Grows to a large size, of oblong shape; quite solid..... | .10 | .25 | .75 |
| **Chartier.** A long, smooth radish, red above and shading to clear white at the tip..... | .10 | .25 | .75 |
| **Rosy Gem.** One of the earliest varieties in cultivation. It is of perfectly globular shape, deep scarlet on top, blending to pure white at the bottom. The radishes are exceedingly tender, crisp and delicious..... | .10 | .30 | .90 |
| **Model White Box.** A very early round white radish, crisp and sweet..... | .10 | .25 | .75 |
| **Black Spanish Winter, Round.** Similar to the long except in form | .10 | .25 | .75 |
| **California Mammoth White.** A winter sort introduced into California by the Chinese; 8 to 12 inches long and 2 inches in diameter flesh white, firm and of excellent flavor..... | .10 | .30 | .90 |
| **China Rose Winter.** Medium size, oblong, of a bright rose color; one of the best varieties for winter use..... | .10 | .30 | .90 |
| **Mixed Radishes.** Supply a nice assortment for the table; of all colors and sizes..... | .10 | .25 | .75 |

**Horse-radish Roots.** See page 31.

# RHUBARB, OR PIE PLANT

Ruibarbo Rhabarber Rhubarbe

Sow the seed early in the spring in drills 18 inches apart and cover 1 inch deep; thin the plants to 6 inches apart and keep them free from weeds. When the plants are one year old, remove to prepared beds and place 4 feet apart each way. Do not cut until the second year; apply manure every fall.

WINTER CRIMSON RHUBARB

| | | PRICES Oz. | ¼ lb. | 1 lb. |
|---|---|---|---|---|
| **New Crimson Winter.** Introduced by Luther Burbank, and so popular has it been with the public that it is almost impossible to supply the demand. It is ever-bearing and can be made to bear when there is no other rhubard in the market | Pkt. 10c | $.60 | $1.75 | $6.00 |
| **Monarch, or Giant.** Superior variety of large size | Pkt. 5c | .15 | .50 | 1.50 |

**Rhubarb Roots.** See page 31.

# SALSIFY, OR VEGETABLE OYSTER

Ostion Vegetal Haferwurzel Salsifis.

Cultivate the same as parsnips.

| | | | | |
|---|---|---|---|---|
| **Long White** | Pkt. 5c | .10 | .30 | 1.00 |
| **Sandwich Island.** Of enormous size, very tender and delicious. | Pkt. 5c | .15 | .35 | 1.25 |

# SORREL

Acedera Sauerampfer Oseille

| | | | | |
|---|---|---|---|---|
| **Large-leaved French.** Used for salads | Pkt. 5c | .15 | .35 | 1.25 |

# SPINACH

Espinaca Spinat Epinard

For summer use sow early in spring, in drills 1 foot apart, and thin the plants 5 inches from each other in the row. For winter and spring use, sow in September. One ounce of seed will sow about 50 foot of row.

PRICKLY SPINACH

| | Pkt. | Oz. | 1 lb. |
|---|---|---|---|
| **Bloomsdale, or Savoy-leaved.** The earliest of all the varieties, and one of the best for autumn planting for early spring use. The leaf of this sort is wrinkled in the same manner as the Savoy cabbage | $.05 | $.10 | $.35 |
| **Round, or Summer.** For early spring planting; leaves large, thick and compact | .05 | .10 | .35 |
| **Long-standing.** Remains a long time before running to seed | .05 | .10 | .30 |
| **New Zealand.** Abundant producer throughout the summer; transplant 3 feet apart each way | .05 | .10 | 1.00 |
| **Prickly or Fall.** Very hardy; used for fall planting; long, thin leaves | .05 | .10 | .30 |

# SQUASHES

**PACKET, 5c**

Calabacera Kurbiss Courge

Light, warm soil is best adapted to the growth of the Squash. The seed should not be sown until all danger from frost is past. Plant in hills, prepared in the same manner as for cucumbers and melons, the bush kinds about 4 feet apart, and the running varieties from 6 to 9 feet apart, according to their nature, as some will run more than others. Plant about one-half dozen seeds in each hill. The earth about the plants should be kept loose and clear from weeds until runners are well started. Cutting off the leading shoots of the running varieties is recommended as having a tendency to promote growth and early maturity of the fruit. One ounce of seed will plant from 15 to 50 hills.

MAMMOTH CHILI SQUASH

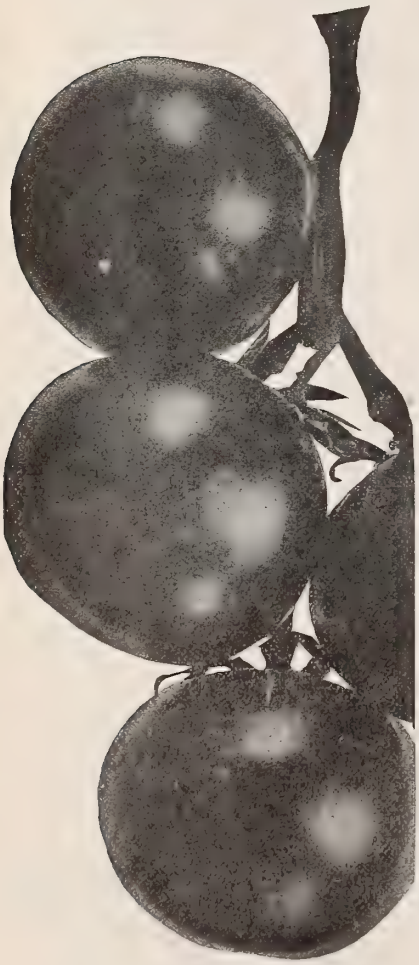
## SUMMER VARIETIES

| | Oz. | ¼ lb. | 1 lb. |
|---|---|---|---|
| **Early White Bush Scalloped.** An early variety, well-flavored and productive; excellent for the market | $.10 | $.25 | $.75 |
| **Mammoth White Bush Scalloped.** Is much larger in size than the preceding. Flesh clear, waxy white, tender and delicate | .10 | .25 | .75 |
| **Long Island White Bush.** An improved strain of Early White Scallop Bush, very prolific | .10 | .30 | 1.00 |
| **Long White Vegetable Marrow.** An English variety of delicious flavor | .15 | .50 | 1.50 |
| **Early Golden Bush Scalloped.** Similar in shape to the white | .10 | .25 | .75 |
| **Summer Crook-Neck.** This is the richest summer Squash; very early and productive | .10 | .25 | .75 |
| **Delicata.** The earliest and most prolific of the vine Squashes, and although of small size, the flesh is wonderfully solid, with a small seed cavity. It cooks dry and is rich flavored | .15 | .30 | 1.00 |

SUMMER CROOKNECK SQUASH

## SQUASHES (Continued) WINTER VARIETIES

| | PRICES Oz. | ¼ lb | 1 lb. |
|---|---|---|---|
| **Hubbard.** The best of all winter varieties; grows to a large size.. | $.10 | $.25 | $.85 |
| **Red or Golden Hubbard.** Similar to the Green Hubbard, except in color, which is a bright, deep orange. Flesh deep golden yellow, fine grained, cooks very dry, and is of excellent flavor.. | .10 | .25 | .85 |
| **Winter Crook Neck.** A good fall variety; flesh close-grained and sweet | .10 | .35 | 1.00 |
| **Fordhook.** One of the best winter sorts; fine quality | .10 | .25 | .80 |
| **Pike's Peak, or Sibley.** Entirely original and distinct; considered an improvement on the Hubbard | .10 | .25 | .85 |
| **Boston Marrow.** A standard fall Squash of rich orange color; very productive; keeps well | .10 | .25 | .80 |
| **Essex Hybrid.** An early and rapid growing variety, with thick, rich colored solid flesh, and one of the best keepers | .10 | .25 | .80 |
| **Mammoth Chili** Grows to immense size, often weighing over 200 pounds; very productive | .10 | .35 | 1.25 |
| **Delicious.** A medium sized squash, cooks dry | .10 | .35 | 1.25 |
| **California Large Field.** A very large Squash, often called pumpkin; grows to an immense size, frequently weighing over 100 lbs. | | | .40 |



SPARK'S EARLIANA TOMATO

# TOMATOES

Gitomate Liebesapfel Tomate

Sow the seed in frame or sheltered bed. When the plants are 2 or 3 inches high, thin them out and set them in pots or in another bed, to give them room and make them "stocky." When 5 or 6 inches high, if the weather be warm and settled, transplant them to open ground, selecting a rainy day if possible; in the absence of rain, water and protect till well rooted. Set plants 4 feet apart each way; support by driving two or three stakes around each plant and encircle with as many barrel hoops; this will serve to keep the fruit off the ground. One ounce of seed will produce 3000 plants. The tomato requires a rather light soil to ripen early, but if handsome fruit and a plentiful crop be desired, very rich soil should be selected.

| | Oz. | ¼ lb. | 1 lb. |
|---|---|---|---|
| **June Pink.** A smooth purple-fruited tomato, maturing very early, resembling the Earliana in shape and size, differing only in color. Large size, early. Pkt. 10c | $.30 | .90 | $3.00 |
| **Spark's Earliana.** Early and prolific, very solid and noted as a good shipper Pkt. 5c | .25 | .75 | 2.75 |
| **Beefsteak.** A favorite late variety Pkt. 10c | .35 | 1.00 | 3.50 |
| **Chalk's Early Jewel.** Nearly as early as the celebrated Earliana Fruits are large and of fine flavor Pkt. 5c | .25 | .75 | 2.50 |
| **Germain's Winter Queen.** See Specialties Pkt. 10c | .50 | 1 25 | 4.00 |
| **New Stone.** A splendid variety for shipping; bright scarlet, large, smooth and firm; excellent quality and one of the best for general use Pkt. 5c | 25 | 75 | 2.50 |
| **Crimson Cushion.** Of large size, often weighing one pound; nearly round, solid and smooth; color rich crimson, delicious for slicing on account of its superb quality Pkt. 10c | .35 | 1.00 | 3.50 |
| **Ponderosa.** Grows to enormous size, sometimes weighing from two to three pounds each; very smooth and solid Pkt. 10c | 35 | 1 00 | 3.50 |
| **Trophy.** A vigorous grower; fruit smooth, deep red Pkt. 5c | 25 | 75 | 2.50 |
| **Dwarf Stone.** Vine resembles Dwarf Champion, but of stronger growth. Fruits same color and size as the regular Stone. Pkt. 5c | 25 | 75 | 2.50 |
| **Atlantic Prize.** (Early Ruby.) A favorite early variety. Color rich crimson Pkt. 5c | 25 | 75 | 2.50 |
| **Acme.** One of the earliest and handsomest varieties. The fruit is of a medium size, perfectly smooth and regular in shape; a great bearer; color dark red with a purplish tint Pkt. 5c | 25 | 75 | 2.50 |
| **Beauty.** Livingston's. A very fine variety of large size; grows in clusters of four or five; color glossy crimson with a purplish tinge Pkt. 5c | 25 | 60 | 2.00 |
| **Dwarf Champion.** An early and distinct variety, medium in size; plant of dwarf and compact growth Pkt. 5c | 25 | 75 | 2.50 |
| **Strawberry, or Ground Cherry.** A distinct species; grows enclosed in a husk; excellent for preserves Pkt. 10c | 35 | 1 00 | 3.50 |
| **Livingston's Favorite.** Beautiful shape, smooth and a good bearer, ripens evenly Pkt. 5c | 20 | .60 | 2.00 |
| **Matchless.** An old variety of splendid qualities, rich red in color and a fine keeper Pkt. 5c | .20 | .60 | 2.00 |
| **Golden Queen.** The best yellow. Has a fine appearance and a distinct flavor Pkt. 5c | 20 | 60 | 2.00 |

## TOMATOES (Continued)

| | PRICES Oz. | ¼ lb. | 1 lb. |
|---|---|---|---|
| **Perfection.** A fine variety of good quality and very prolific Pkt. 5c | $0.20 | $0.60 | $2.00 |
| **Yellow Pear.** A small early variety good for preserves.... Pkt. 5c | .25 | .75 | 2.50 |
| **Yellow Plum.** Fruit plum-shaped, of clear, deep yellow color Pkt. 5c | .25 | .75 | 2.50 |
| **Yellow Peach.** Beautiful clear yellow color ..... Pkt. 5c | .25 | .75 | 2.50 |

GERMAIN'S RED TOP WHITE GLOBE TURNIPS

# TURNIPS

**PER PACKET 5c**

Nabo Reube Navet

For early crops sow the Early White Flat Dutch or Munich during the winter; and for summer crops sow any of the other varieties at intervals of a fortnight until June in drills 12 inches apart; cover the seed lightly unless the season be very dry; thin out the plants to 6 or 8 inches apart. For fall or winter use, sow the Golden Ball or Purple-Top Strap-leaf. Success in raising turnips depends greatly on the selection of soil and its subsequent preparation, as well as the quality of the seed.

| | Oz. | ¼ lb. | 1 lb. |
|---|---|---|---|
| **Germain's Red-Top White Globe.** A very fine variety, globe-shaped, flesh white and of excellent quality..... | .10 | .25 | .75 |
| **Early White Egg.** An egg-shaped variety for spring and fall sowing; flesh firm, fine-grained, mild and sweet..... | .10 | .25 | .75 |
| **Early White Flat Dutch.** White flesh, medium size, quick growth | .10 | .25 | .75 |
| **Golden Ball.** Round, smooth English Turnip of fine quality, skin bright yellow; good keeper..... | .10 | .25 | .75 |
| **Early Purple-Top Milan.** One of the earliest varieties..... | .10 | .25 | .85 |
| **Purple-Top Strap-Leaf.** Very productive, matures quickly; flesh white and sweet..... | .10 | .25 | .75 |
| **Early Snowball.** See specialties ..... Pkt. 10c | .15 | .30 | 1.00 |

## RUTABAGA OR SWEDISH TURNIP

| | | | |
|---|---|---|---|
| **Improved Yellow Purple-Top.** The old, popular standard sort, both for stock feeding and table use; flesh yellow, solid and sweet..... | $0.10 | $0.25 | $0.75 |
| **Large White.** A very superior white-fleshed variety of large size and fine quality..... | .10 | .25 | .75 |

# POT, SWEET AND MEDICINAL HERBS

**5c per pkt. 50c per doz. pkts.**

A well assorted selection of the various kinds of herbs should have a place in every garden. Their value in seasoning and flavoring is well known and appreciated. Care should be taken to harvest on a dry day just before they fully blossom.

**Angelica Garden** (Archangelica officinalis).
**Anise** (Pimpinella anisum).
**Balm** (Melissa officinalis).
**Basil Sweet** (Ocymun basilicum).
**Borage** (Borage officinalis).
**Caraway** (Carum carui).
**Catnip** (Nepeta cataria).
**Coriander** (Coriandrum sativum).
**Cumin** (Cuminum cyminum).
**Dill** (Anethum graveolens).
**Fennel, Sweet** (Foeniculum vulgare).
**Horehound** (Marrubium vulgare).
**Hyssop** (Hyssopus officinalis).
**Lavender** (Lavendula vera).
**Marjoram, Sweet** (Majorana hortensis.)
**Rosemary** (Rosmarinus officinalis).
**Rue** (Ruta graveolens).
**Saffron** (Carthamus tinctorius)
**Sage** (Salvia officinalis).
**Savory, Summer** (Satureja hortensis)
**Savory, Winter** (Satureja montana).
**Tansy** (Tanacetum vulgare).
**Thyme, Broad-leaved** (Thymus vulgaris).
**Wormwood** (Artemisia absinthium).

# CULINARY ROOTS, PLANTS AND HERBS

**Note.** When ordered to be sent by mail, remit, in addition to price: for asparagus roots, 50 cts. per 100; cabbage, cauliflower, sweet potato, tomato plants, pepper and horseradish roots, 5 cts per dozen, 35 cts. per 100; rhubarb roots, 5 cts. each; eggplants, 15 cts. per doz.; hopvine roots, 2 cts. each; chives, 3 cts. per clump.

**Artichoke.** Green Globe, French Stock. $3.00 doz.

**Asparagus, Conover's Colossal.** A mammoth variety of vigorous growth, sending up from fifteen to twenty sprouts each year. One and two years old roots. 25 cts. per doz., $1.50 per 100, $10.00 per 1000.

**Cabbage Plants.** Early Winnigstadt and Premium Flat Dutch. 10 cts. doz., 50 cts. per 100, $4.00 per 1000.

**Cauliflower Plants.** Snowball—the best variety of Cauliflower. 15 cts. doz., $1 per 100, $6 per 1000.

**Chives, or Schnittlauch.** For flavoring soups, salads, etc. 15 cts. per clump, $1.50 per doz.

**Eggplants.** New York Improved large round purple; grown in pots, 75 cts. per doz.

**Hop Vine Roots.** 5 cts. each, 60 cts. per doz., $3.50 per 100.

**Horseradish Sets.** Thrive best in low, damp land. Plant in rows 2 feet apart, and in the rows 18 inches apart. 15 cts. per doz., $1 per 100.

**Mint** (Spearmint). Fine young plants from 3 inch pots. 15 cts. each, $1.50 per doz.

**Pepper Plants.** Chili, Large Bell or Bull Nose, Sweet Mountain, etc., 20 cts. per doz., $1.25 per 100.

**Rhubarb Roots.** Monarch and Victoria, strong roots. 10 cts. each, $1 per doz., $7.50 per 100.

**Rhubarb Roots—New Crimson Winter.** First size, extra large, 25 cts. each, $2.00 doz., smaller 15 cts. each, $1 doz., $5 per 100.

**Sweet Potato Plants.** Yellow Nansemond and Large White 50 cts. per 100, $4 per 1000. Ready in March.

**Tomato Plants.** Earliana, New Stone, Ponderosa, Beefsteak. 15 cts. per doz., $1 per 100, $7 per 1000.

SPRING VETCHES

# SEEDS FOR COVER CROPS

The importance of a Cover Crop as a cheap and beneficial way of getting humus and Nitrogen into the soil is yearly becoming more impressed upon the fruit growers of California. We can supply any of the following legumes and will be pleased to quote prices on large quantities.

Double your crops of the above legumes by inoculating before planting with Nitrogen Culture, the greatest agricultural discovery of the century, recommended by the United States Department of Agriculture and agricultural experts throughout the world. (See below for full particulars and prices.) Do not fail to give it a trial.

**ADVICE.** Green manuring is new to a great many farmers, and mistakes are liable to the inexperienced. To save our customers any unsatisfactory experiments we offer free the advice of our experts on the subject. The location, general character of the soil and crops grown will enable us to recommend the best cover crop to use. Don't hesitate to ask questions.

## VETCHES

| | PRICES 1 lb. | 10 lb. | 100 lb. |
|---|---|---|---|
| **Spring Vetches, or Tares.** Growing into favor more and more each year for plowing under. They have the advantage over peas in that they make a greater growth of vine, while as the seed is much smaller in proportion to peas, a smaller quantity is required to plant an acre. They are valuable also as a green food for milch cows. Sow 50 pounds to the acre | $.10 | $.80 | |
| **Sand or Winter Vetch,** used extensively in the south for cover crop and for its forage value | .15 | 1.25 | |

## FIELD PEAS

**60 to 90 pounds per acre**

| | | |
|---|---|---|
| **Field Peas,** White Canadian. Highly valued for plowing under in orchards as a soil-improver | .10 | .75 |
| **Field Peas,** Blue Prussian. Similar in habit of growth to the white | .10 | .75 |

## COW PEAS

**40 to 50 pounds per acre**

| | | |
|---|---|---|
| **Whippoorwill.** A bunch-growing variety; great favorite; brown speckled seed | .10 | .90 |
| **Black Eye.** Used in some sections as food | .10 | .75 |
| **New Era.** An early maturing variety, which has proved very popular and satisfactory. It is upright-growing, quick to mature, and remarkably prolific of peas. The vines cure easily, making splendid dry forage | .10 | .90 |

## CLOVER

| | | |
|---|---|---|
| **Burr Clover.** Somewhat resembling alfalfa in the shape and color of the seed, also in its habit of growth. It is a great nitrogen-gatherer. Orchardists regard it with great favor as a green fertilizer, as it often thrives in shady places where peas fail to make a good stand. Hulled, solid seed, free from burr. Sow 15 pounds per acre | .30 | 2.75 |
| **Melilotus Clover.** A strong growing plant of the clover family yielding a large amount of humus and nitrogen and having a great root system. Recommended by the Agricultural Experiment Station of Arizona for sowing in Citrus groves. Sow 10 lbs. to the acre. **Write for free pamphlet on this great cover crop** | .25 | 2.00 |

## FENUGREEK

| | | |
|---|---|---|
| **Fenugreek.** Admirably adapted for sowing in orchards for cover crop; stands erect and makes a stronger growth than peas. Sow at the rate of 20 pounds to the acre | .15 | 1.25 |

Subject to Market Fluctuations—Write for prices on large quantities

# NITROGEN CULTURE

**Write for Special Treatise on Nitrogen Culture Free**

The germs have been discovered, and are to be had in unlimited quantity, that enable leguminous plants to collect nitrogen from the air and give it to the earth, thereby replenishing poor and exhausted land with a copious supply of nitrogen, and also making good soil more productive. Does away with artificial manure; saves time and labor; is convenient to handle, effective in results, and at the minimum of cost. **Don't fail to try it and be convinced.**

The method of application is simplicity itself, consisting in inoculating the seed that is about to be planted as crop to turn under as green manure. This is accomplished by using cotton as a carrier for the nitrogen-gathering bacteria and then allowed to dry, rendering the same dormant and inactive. In this way it is readily handled as an article of commerce.

Nitrogen Culture is manufactured for Alfalfa, Clovers, Vetches, Peas, Beans and Peanuts; when ordering don't fail to specify the seed you wish to inoculate. Price, sample packages 25 cts., ¼ acre 50 cts., ½ acre 75 cts., 1 acre $1.50, 5 acres $5.00, 10 acres $8.00, 20 acres $16.00; write for prices when wanted for larger areas.

CENTRAL PARK, LOS ANGELES. GERMAINS FURNISHED THE LAWN SEED FOR THIS LARGE IMPROVEMENT

# Hints on the Formation of Lawns

In the first place, see that the ground is well prepared. Dig or plow the ground to the depth of 8 inches. Afterwards harrow or rake carefully and remove all large stones. If the soil is shallow, procure a supply of fine mold and spread over the surface to a depth of 5 inches. Soil may be enriched by bone meal or well-rotted manure wherever necessary, then rake level and roll the soil well to make a solid bottom. Scatter the seed evenly over the surface at the rate of 150 pounds to the acre (for Blue Grass), 1 pound to 16 feet square. Rake seed in and roll, water regularly and carefully, as the soil is liable to dry out in the heat of the day, and if it does while the seed is germinating it will invariably perish. When the grass is 3 inches high it should be cut and rolled, and every week or so thereafter until the grass has become firm. Eradicate weeds whenever they appear, without disturbing the grass. Should bare spots appear, rake the surface and sow more seed. The roller should be used frequently during the season, and a dressing of lawn fertilizer once a year is necessary to the maintenance of a good lawn.

## LAWN SEED

**Kentucky Blue Grass.** The seed we offer is fancy cleaned, the purest grade obtainable. Per lb. 45 cts.

**White Clover.** We offer strictly first-class seed, clean and pure. Per lb. 45 cts.

**Australian, or Perennial Rye Grass.** Used extensively in some localities for lawns on account of its hardiness. Per lb. 15 cts., 10 lbs. $1.25.

**Lippia Repens.** See plant department.

## LAWN FERTILIZERS

Nothing will give a lawn the rich deep green velvety appearance, so much admired, like a liberal dressing of a good fertilizer. Our fertilizers are specially prepared with that end in view and we can strongly recommend them. Should be used at the rate of 1½ or 2 pounds to 100 square feet.

**Armour's Lawn and Garden Fertilizer.** We know of no higher grade commercial fertilizer than this justly popular manufacture. It is the result of years of experimenting and testing, and with such a product at hand it is folly to use barnyard manure. It is sown like grain, and after sprinkling is removed from sight. It leaves no smell and cannot possibly introduce weeds into the lawn. Ten pounds will cover 250 feet of lawn. Price, 10 lbs. 40 cts., 100 lbs. $3.00.

**PULVERIZED SHEEP MANURE. This is not the weather-bleached or adulterated kind that is often found, but is specially prepared and carefully handled so that it possesses all of the elements of a high class fertilizer, free from weed seeds, and strong in plant food. Per lb. 5 cts., 30 lbs. $1.00, 50 lbs. $1.30, 100 lbs. $2.25.**

**Fine Ground Bone Meal.** Good for top dressing and general fertilizing purposes. Per pound, 5 cts., 25 lbs. $1.00, 50 lbs. $1.50, 100 lbs. $2.50.

**Commercial Lawn Fertilizer.** Our own brand, acts quickly and gives excellent results. Per pound, 5 cts., 25 lbs. $1.00, 50 lbs. $1.50, 100 lbs. $2.50.

A MAGNIFICENT ALFALFA CROP, GROWN FROM GERMAIN'S RE-CLEANED SEED

# Germain's Extra Re-Cleaned Clover and Grass Seeds

**CLOVER AND GRASSES ARE SUBJECT TO FREQUENT MARKET FLUCTUATIONS. WE THEREFORE REQUEST YOU TO WRITE FOR PRICES WHEN QUANTITIES ARE WANTED. WHEN ORDERED BY MAIL SEND 10c. PER POUND FOR POSTAGE.**

## CLOVER SEEDS

**ALFALFA. Germain's has taken the lead in supplying the finest and purest seed for this great crop of the Southwest. Many a farmer knows of promising stands of alfalfa that were practically ruined by dodder or love vine, caused by foul seed. With the installation of our recleaning plant, and the force of our buying power, we can conservatively claim the most perfect stock of seed ever offered at the lowest possible price. Whether your needs are for a pound or carload, we can supply them. Price 30 cts. per lb. Write for prices when quantities are wanted.**

**Turkestan Alfalfa.** This variety is far superior to the American product in that it withstands drought and cold weather where the other will perish. In addition to this it yields a larger amount of foliage to the plant of a finer texture, and without any rough stems, so that stock can eat every particle, 35 cts. per lb.

**Alsike** (Trifolium hybridum). Very hardy, resisting cold and drought and is also well adapted for sowing on cold wet land. It yields a large amount of hay or pasture and makes a good bee plant, 25 cts. per lb.

**Berseem, or Egyptian** (Trifolium Alexandrinum). This Clover is said to be especially suited for irrigated lands. It yields heavily in Egypt, growing a little taller than alfalfa. It is very succulent and much relished by stock, 50 cts. per lb.

**Burr** (Medicago maculata). An excellent fodder plant for dry soils; 12 lbs. to the acre. Cleaned seed, not in the burr, lb. 30 cts.

**Italian Crimson, or Scarlet** (Trifolium incarnatum). Used chiefly as a soil improver, 25 cts. per lb.

**Japanese** (Lespedeza Striata). Makes a fine pasture plant for poor barren land, where it will grow 18 inches high; on good soil it grows 30 inches. It will also thrive on shaded, or on wet soils. Stock of all kinds relish it, poor or worn out soil is improved by it, 40 cts. per lb.

**Mammoth Red, or Cow Grass** (Trifolium pratense perenne). More vigorous grower than the common red, 25 cts. per lb.

**Red** (Trifolium pratense). Should be in all pasture mixtures, 25 cts. per lb.

**White** (Trifolium repens). Excellent for lawns; can be sown alone or mixed with Blue Grass. Strictly fancy, lb. 45 cts. See page 33.

## GRASS SEEDS

**Awnless Brome Grass** (Bromus Inermis). Hardy; stands heat and cold well. Adapted for dry regions, 25 cts. per lb.

**Bermuda** (Cynodon dactylon). Of great value as a pasture grass in hot countries; also suitable for lawns where Blue Grass fails, $1.00 per lb.

**Crested Dog's-Tail** (Cynosurus cristatus). Roots fibrous and tufted; perennial. This is a most valuable permanent pasture grass. It is very tender and nutritious at time of flowering. If, however, it is left until the seed ripens, cattle will not eat it on account of its wiry stems.

**Kentucky Blue** (Especially adapted for lawns. See page 33.) 45 cts. per lb.

**Mesquite** (Holcus lanatus). Will grow on poor peaty soils or dry sandy soil. Known also as "Velvet grass," 35 cts. per lb.

**Orchard Grass** (Dactylis glomerata). Root fibrous; perennial; flowers in June and July. This is one of the most valuable and widely known of all the pasture grasses. Valuable in a mixture, 35 cts. per lb.

**Red Top** (Agrostis vulgaris). Permanent grass for pasture or lawn, 35 cts. per lb.

**Rye Grass, Italian** (Lolium Italicum). A valuable grass for hay and pasture, especially under irrigation, 20 cts. per lb.

**Rye Grass, Perennial, or Australian** (Lolium perenne). Similar to the Italian in habit of growth, but more permanent; good for lawns. Yields abundantly under irrigation. Highly recommended for lawns in Arizona and New Mexico. See page 33. Price, 25 cts. per lb.

**Timothy.** A most valuable grass for hay. Thrives best on moist, loamy soil, 20 cts. per lb.

# MISCELLANEOUS FIELD SEEDS

**In this department we have taken a very strong position, keeping fully up to the enormously increasing demand both for quantity and quality in these seeds. We have made immense purchase contracts, and our recleaning machinery is going full blast day and night, with the result that we can furnish our customers with seed that will never cause criticism. We are always glad to look up any varieties not listed in our Catalog, or give advice as to proper selections. If seed is desired by mail, send an additional 10 cts. per pound for postage.**

**IMPORTANT. Field seeds are subject to frequent market fluctuations; we, therefore, request you to write for prices when quantities are wanted. Will gladly quote prices and send samples on any article wanted.**

## ARTICHOKE

**Artichoke, Jerusalem** (roots). The greatest hog food known, yielding over one thousand bushels to the acre. It can be grown without a great deal of cultivation and no harvesting is necessary. When the roots are full-grown, turn the hogs into the field and they will help themselves by rooting. We can supply the tubers from February until May. Price, 10 cts. per lb.

## ALFILARIA

**Alfilaria** (Erodium cicutarium). One of the most nutritous of plants; cattle, sheep, horses and hogs alike prefer it to any other natural product of the plains. Lb. $1.00. Sow 20 lbs. to the acre.

## CANARY SEED

**Canary.** Can be grown in California. Used for bird food. It is also used as an ornamental grass and for hay purposes. Price, 10 cts. per lb.

## BARLEY

We carry a select lot of seed barley. Write us for quotations and samples.

## BUCKWHEAT

**Silver Hull.** A prolific and favorite sort, making a fine quality flour. Superior in every way to the ordinary buckwheat; growing longer and being a quicker bloomer. For beekeepers it is one of the best plants to grow. Per lb. 10 cts.

**Japanese.** This variety ripens a week sooner than the Silver Hull, and yields more largely than that variety. Per lb. 10 cts.

## BEANS

**Bayou.** As an article of food they are fully equal to the pink or Mexican "frijole." Per lb. 10 cts.

**Soja.** Used as a substitute for coffee, also as a forage plant. They are highly recommended as a soil improver. Lb. 15 cts.

**Castor.** Used for planting in poultry yards to afford temporary shade. Lb. 25 cts.

**Black Eye.** We carry a select stock of these beans. They are grown especially for our trade and can not be compared with the ordinary commercial stock. Per lb. 10 cts.

## BROOM CORN

**Improved Evergreen.** This is one of the favorite varieties for growing in California. It grows from 8 to 10 feet high. The absence of crooked brush makes it most desirable. Broom corn is a profitable crop to grow, as a market can be found at any of the broom works. Per lb. 10 cts., 10 lbs. 75 cts.

## CORN

**Field.** See general list, page 17.

**Jerusalem.** Fine for fodder. Lb. 15 cts.

**Kaffir, White.** Grain is fine for chicken feed. Stalks good for fodder. Lb. 10 cts.

**Kaffir, Red, or Milo Maize.** Similar to white. Lb. 10 cts.

**Egyptian or Brown Dhoura.** It is much sweeter than cornstalks, and cattle, horses and hogs will eat it ravenously. The seed is excellent for fowls. Culture same as corn. Sow 5 lbs. to the acre. Lb. 10 cts.

**Egyptian.** White, similar to above. Per lb. 10 cts.

## COTTON

Cotton is extensively cultivated in various parts of the globe within the thirty-fifth parallel of latitude. The plant is rather delicate and requires a moderately rich and sandy loam soil, such as river bottoms, for its proper development.

**Cultivation.** Prepare the land by having it thoroughly ploughed. Lay off into rows about four feet apart; sow the seed along the center in a straight furrow made with a small plough or opener. It can also be sown in holes twelve to eighteen inches apart. Sow in March. The young shoot appears above ground in about ten days, and is subsequently weeded and thinned. Blooming takes place about the beginning of June. As a general rule, cotton is a dry weather plant. For ploughing, the planter requires just sufficient moisture to give the soil a spongy texture. Give plenty of water in the early stages—but too much is productive of wood, at the expense of wool, and a severe drought will produce a stunted plant. From the blooming to the picking season, warm dry weather is essential.

**Sea Island** (Gossypium Barbadense). This has a beautiful long-stapled silky wool and bears a yellow flower. 10 cts. per oz., 50 cts. per lb.

**Tenn. Upland.** 10 cts. per oz., 50 cts. per lb.

**Egyptian.** Originated in Egypt; erect and larger size than other cottons, producing an abundance of cotton. 10 cts. per oz., 50 cts. per lb.

## FLAX

**Flax.** When grown for seed, plant 40 pounds to the acre. One of the principal things to attend to when growing flax is to see that the ground is well cultivated. Price per lb. 10 cts.

## HEMP

**Hemp** can be grown in Southern California successfully. The seed is used for birds. Its fibre is in big demand. Per lb. 10 cts.

## LENTILS

**Lentils.** Used for the table; growth and habits similar to the pea. Can be successfully grown in California. Per lb. 15 cts.

## MISCELLANEOUS FIELD SEEDS (Continued)

### MILLET

**Common.** Very early; abundant foliage. Lb. 10 cts.

**Egyptian Pearl.** (Penicillaria spicata). Is an excellent fodder plant, attaining a height of 5 feet and over. Highly relished by cattle. Lb. 20 cts.

**French Imported.** Used to feed valuable birds. Lb. 10 cts.

**German.** A valuable fodder plant. Makes excellent hay. Sow 25 lbs. to the acre. Lb. 10 cts.

**Hungarian.** Will stand drought and grow on ordinary soil. Lb. 10 cts.

**Italian.** Grows larger than Hungarian. Lb. 10 cts.

**Japanese.** Great claims are made for it as to productiveness and value as a forage plant. Superior to corn fodder in feeding for milk. Grows 6 to 8 ft. high. Sow 40 lbs. per acre. Lb. 10 cts.

**Siberian or Russian.** Claimed to be the most wonderfully productive and satisfactory forage plant, possessing in a superior degree all of the essential merits of the older sorts. Lb. 10 cts.

### OATS

**Texas Rust Proof.** These oats are very popular throughout Southern California. We carry a select lot of recleaned seed. Write for prices.

**White.** We carry a fine strain of white oats. Our seed is double cleaned. Write for prices.

### PEANUTS

**Virginia Peanuts.** Plant when weather is warm. A warm, porous, sandy soil, put into a good friable condition and freed from weeds, is most suitable. Remove the pods without injuring the kernel, and place contents in bags or baskets, a small quantity in each, where there is a free circulation of air, until needed for planting. Reject all shriveled kernels. It requires 35 pounds of peanuts in the hull to an acre. Plant in rows 3 feet apart and one foot apart in the row. Cultivate often and keep the ground loose, as after the blossoms drop the peduncles enter the soil at the base and form the peanut. First quality, lb. 15 cts.

### PEAS

(See List of Cover Crops Seeds)

### RAPE

**Dwarf Essex.** This crop is very highly recommended for pasturage for sheep and cattle, furnishing most rich and nutritious pasturage within six to eight weeks from the time of sowing. The fattening properties of Rape are said to be very much better than those of clover. It also makes splendid green feed for poultry. Rape is best sown in drills, at the rate of 3 to 5 lbs. per acre, or it can be sown broadcast, when from 6 to 8 lbs. per acre should be used. 10 cts. per lb.

### RICE

**Wild** (Zizania Aquatica). Grows in shallow water with mud bottom. The plant makes an excellent shelter for wild fowl, lb. 30 cts.

### SORGHUM

**Early Amber.** Furnishes a large yield of most nutritive forage, which can be fed either green or cured, and will yield two or three cuttings a year, stooling out thicker each time it is cut. It grows 10 to 12 feet high. Sow broadcast for forage at the rate of 60 lbs. per acre. When sown in drills, sow at the rate of 10 lbs. per acre in drills 3½ to 4 feet apart. Per pound 10 cts.

### SALT BUSH

**Australian** (Atriplex semi-baccatum.) Much relished by stock, supplying the salt necessary to their well-being. One pound of seed to the acre if sown broadcast; four ounces if transplanted. In cutting fodder be careful not to injure the crown of the plants. Oz. 15 cts., lb. $1.25.

**Australian "Old Man."** A distinct species different from the Atriplex semi-baccatum. It succeeds on alkali land as well, and withstands drought. Plant in hills 6 feet apart each way, several seeds to a hill, thinning out to the two strongest plants. Pkt. 10 cts., oz. 30 cts., lb. $3.00.

### SUNFLOWER

**Mammoth Russian.** Makes heads double the size of the common kind. The yield is enormous from this variety. It has produced as high as 125 bushels to the acre. Per lb. 10 cts.

### SPELTZ

**Speltz, or Emmer.** A valuable substitute for oats and barley. It outyields oats, barley, wheat, etc., in bushels per acre and is superior to oats and barley for feed. Lb. 10 cts.

### TEOSINTE

**Teosinte.** Resembles corn, but leaves are much larger; very nutritious, oz. 15 cts., lb. $1.35.

### TAGASASTE

**Tagasaste, or Tree Alfalfa.** Grows in shrub form; foliage resembles alfalfa. Excellent for hill pasture, on account of its habit of growth and great drought-resisting qualities. Pkt. 10 cts., oz. 25 cts., lb. $2.50.

### TOBACCO

**Tabaco, Tabak, Tabac**

Cultivation of Tobacco is comparatively easy and a warm climate suits it best. The best time for starting the seed is January. Sow in seed beds of rich soil, and as the seed is extremely minute, it is first largely mixed with sand and wood ashes to assist in spreading it thinly. One ounce of seed will sow 25 feet square and produce plants for one acre. After the beds have been sown, cover the seed slightly and protect from light frosts. Remove covering as soon as can be done with safety, and the plants will then grow rapidly and are ready for transplanting about the first of June. Wet or foggy weather is the best for transplanting. The plants must be carefully raised from the seed bed and planted in the fields in rows three feet apart and leaving five feet between the rows. The crop needs much careful attention in weeding, and a watchful eye to prevent the ravages of various insect enemies. As soon as the plants begin to throw up the flower-shoot, it is clipped off; otherwise it would weaken the plant.

**Connecticut Seed Leaf.** Grows to a height of about 5 feet, with leaves 2½ to 3 feet in length and from 15 to 20 inches broad, one of the best varieties for cigar wrappers. Per pkt. 10 cts., 60 cts. per oz.

**Havana.** Bearing a fine colored leaf, varying from straw color to dark brown or black; it surpasses all other varieties in flavor for cigars; heavy cropper, fine texture, and the earliest variety to mature and ripen.

**Havana, American Grown.** Per pkt. 10 cts., oz. 30 cts., lb. $3.00.

**Cuban Grown.** (Vuelta de Abajo.) Per pkt. 10 cts., oz. 60 cts., lb. $6.00.

**Sumatra.** Per pkt. 10 cts., $1.00 per oz.

**Turkish Cigarette** (Sam Sue). Per pkt. 10 cts, 60 cts. per oz.

### WHEAT

**Wheat.** We carry a fine line of recleaned wheat for seed purposes. Write us for prices.

# VEGETABLE Germain's SEEDS

## USEFUL REFERENCE TABLE

Showing at a glance the best time to plant the different kinds of seeds and plants, average time to mature, and distance apart

| VARIETY | Jan. | Feb. | Mar. | April | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Maturity Table | Distance to Plant |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Artichoke, Globe | | | S | S | | | | | | | | | 4 months | 24x36 inches |
| Asparagus (seed) | | S | S | S | | | | | | | | | 3 years | 36x18 " |
| Asparagus (roots) | P | P | P | | | | | | | | P | P | Second year | 36x18 " |
| Beet, Table Varieties | S | S | S | S | | | S | S | S | | | | 7 to 8 weeks | 18x 4 " |
| Beans, Broad or English | S | S | | | | | | | S | S | S | S | 3 months | 24x4 " |
| Beans, Dwarf or Bush | | S | S | S | S | S | S | | | | | | 6 to 8 weeks | 30x 2 " |
| Beans, Pole | | | S | S | S | | | | | | | | 8 weeks | 36x30 " |
| Broccoli | S | S | | | | | S | S | S | S | S | S | 3 months | 36x24 " |
| Brussels Sprouts | S | S | | | | | S | S | S | S | S | S | 4 months | 24x18 " |
| Cabbage, Early (seeds) | S | S | S | | | | | S | S | S | S | S | 3½ months | 24x18 " |
| Cabbage, Early (plants) | | P | P | P | | | | | P | P | P | P | 3½ months | 24x18 " |
| Cabbage, Late (seeds) | | | S | S | S | S | | | | | | | 4 months | 36x24 " |
| Cabbage, Late (plants) | | | | | P | P | P | | | | | | 4 months | 36x24 " |
| Carrot | S | S | S | S | S | | | S | S | S | S | S | 3 months | 18x 4 " |
| Cauliflower (seeds) | S | S | S | S | | | S | S | S | S | S | S | 4 to 5 months | 30x18 " |
| Cauliflower (plants) | | P | P | P | P | | | | P | P | P | | 4 to 5 months | 30x18 " |
| Celery | | | S | S | S | | | | | | | | 5 months | 48x 8 " |
| Chervil | | S | S | S | S | | | | S | S | | | 6 weeks | 12x 4 " |
| Chives | P | P | P | P | | | | | P | P | P | P | 2 to 3 months | 12x 4 " |
| Collards | | S | S | S | | | | | | | | | 3 months | 36x18 " |
| Chicory | | S | S | S | | | | | | | | | 6 weeks | 12x12 " |
| Corn, Sweet | | | S | S | S | S | | | | | | | 2 to 3 months | 36x12 " |
| Corn, Salad | S | S | S | S | | | | S | S | S | | | 6 to 7 weeks | 12x 6 " |
| Cress | S | S | S | S | S | S | S | S | S | S | S | S | 1 to 2 weeks | Thickly |
| Cucumber | | | S | S | S | S | | | | | | | 7 to 10 weeks | 48x48 inches |
| Dandelion | | S | S | S | | | | | S | S | | | 8 to 9 weeks | 6x 6 " |
| Eggplant (seeds) | | | S | S | S | S | | | | | | | 3 to 4 months | 36x36 " |
| Eggplant (plants) | | | | P | P | P | P | | | | | | 3 to 4 months | 36x36 " |
| Endive | S | S | S | S | | | | S | S | S | S | S | 6 weeks | 12x 6 " |
| Garlic (sets) | P | P | P | P | | | | P | P | P | P | P | 3 to 4 months | 18x 4 " |
| Horse-radish (sets) | P | P | P | P | | | | | | | P | P | 6 months | 12x 4 " |
| Kale | S | S | S | | | | S | S | S | S | S | S | 4 to 5 months | 24x12 " |
| Kohlrabi | S | S | S | | | | | S | S | S | | | 4 months | 18x 6 " |
| Leek | S | S | S | S | | | | | S | S | S | S | 3 to 4 months | 12x 5 " |
| Lettuce | S | S | S | S | S | S | S | S | S | S | S | S | 4 to 7 weeks | 24x12 " |
| Melons, Musk | | | S | S | S | S | | | | | | | 4 to 5 months | 60x60 " |
| Melons, Water | | | S | S | S | S | | | | | | | 3 to 4 months | 96x96 " |
| Mustard | S | S | S | S | S | S | S | S | S | S | S | S | 1 to 2 weeks | Thickly |
| Okra | | | S | S | S | S | | | | | | | 3 months | 36x12 " |
| Onion (seeds) | | S | S | S | S | | | S | S | S | S | | 3½ to 5 months | 12x 4 " |
| Onion (sets) | P | P | P | P | | | | | | P | P | P | 3½ to 5 months | 12x 4 " |
| Parsley | S | S | S | S | | | | S | S | S | S | S | 7 to 10 weeks | 12x 6 " |
| Parsnip | S | S | S | S | | | | S | S | S | S | | 4 months | 18x 6 " |
| Peas | S | S | S | S | S | S | S | S | S | S | S | S | 6 to 10 weeks | 30 between rows |
| Pepper (seeds) | | | S | S | S | S | | | | | | | 4 to 5 months | 30x12 " |
| Pepper (plants) | | | | P | P | P | P | | | | | | 4 to 5 months | 30x12 " |
| Potato (sets) | | P | P | P | P | | P | P | | | | | 2½ to 4 months | 24x12 " |
| Potato, Sweet (plants) | | | | P | P | P | | | | | | | 3 to 4 months | 48x18 " |
| Pumpkin | | | S | S | S | S | | | | | | | 4 months | 96x96 " |
| Radish | S | S | S | S | S | S | S | S | S | S | S | S | 3 to 5 weeks | 8x 2 " |
| Rhubarb (seeds) | | S | S | S | | | | | | | | | 3 years | 48x48 " |
| Rhubarb (roots) | P | P | P | | | | | | | | P | P | Second year | 48x48 " |
| Salsify | | S | S | S | S | | | | | | | | 4 to 5 months | 18x 4 " |
| Spinach | S | S | S | S | S | S | S | S | S | S | S | S | 1 month | thickly |
| Tobacco | | S | S | S | | | | | | | | | 7 months | 24x24 inches |
| Tomato (seeds) | S | S | S | S | S | | | | | | | | 3 to 5 months | 48x48 " |
| Tomato (plants) | | | P | P | P | P | | | | | | | 3 to 5 months | 48x48 " |
| Turnip | | S | S | S | S | | S | S | S | S | | | 8 to 10 weeks | 18x 4 " |
| Turnip, Swede, or Rutabaga | | S | S | S | S | S | S | | | | | | 4 to 6 months | 24x12 " |
| Herbs | | | S | S | S | | | | S | | | | Sow thinly in drills | |

## SOWING TABLE FOR THE GARDEN

Quantity of seed required to produce a given number of plants, or to sow a given quantity of ground

Artichoke....1 oz. to 500 plants
Asparagus....1 oz. to 60 ft. of drill, 500 plants
Beans, Dwarf....1 lb. to 50 ft. of drill
Beans, Tall....1 lb to 75 hills
Beet....1 oz. to 50 ft. of drill
Broccoli....1 oz. to 2,000 plants
Brussels Sprouts....1 oz. to 2,000 plants
Cabbage....1 oz. to 2,000 plants
Carrot....1 oz. to 150 ft. of drill
Cauliflower....1 oz. to 2,000 plants
Celery....1 oz. to 5,000 plants
Chicory....1 oz. to 100 ft. of drill
Corn....1 lb. to 150 hills
Cress....1 oz. to 100 ft. of drill
Cucumber....1 oz. to 100 hills
Eggplant....1 oz. to 2,000 plants
Endive....1 oz. to 3,000 plants
Kale....1 oz. to 2,000 plants
Kohlrabi....1 oz. to 2,000 plants
Leek....1 oz to 100 ft of drill
Lettuce....1 oz. to 5,000 plants
Melon, Water....1 oz. to 30 hills
Melon, Musk....1 oz. to 100 hills
Okra....1 oz. to 50 ft. of drill
Onion seed....1 oz. to 100 ft. of drill
Onion, Top Sets....1 lb. to 60 ft. of row
Onion, Bottom Sets....1 lb. to 75 ft. of row
Parsnip....1 oz. to 100 ft. of drill
Parsley....1 oz. to 100 ft. of drill
Peas....1 lb. to 50 ft. of drill
Pepper....1 oz. to 1,000 plants
Pumpkin....1 oz. to 25 hills
Radish....1 oz. to 50 ft. of drill
Salsify....1 oz. to 50 ft. of drill
Sage....1 oz. to 100 ft. of drill
Spinach....1 oz. to 50 ft. of drill
Squash, Early....1 oz. to 50 hills
Squash, Winter....1 oz. to 15 hills
Tomato....1 oz. to 3,000 plants
Tobacco....1 oz. to 10,000 plants
Turnip, Early....1 oz. to 75 ft. of drill
Turnip, Rutabaga....1 oz. to 100 ft. of drill

# USEFUL TABLES FOR THE FARMER AND PLANTER

## NUMBER OF TREES OR PLANTS TO AN ACRE

Set at regular distances apart

| Distance apart | No. of Plants |
|---|---|
| 3 inches by 4 inches | 522,720 |
| 4 inches by 4 inches | 392,040 |
| 6 inches by 6 inches | 174,240 |
| 1 foot by 1 foot | 43,560 |
| 1½ feet by 1½ feet | 19,360 |
| 2 feet by 1 foot | 21,780 |
| 2 feet by 2 feet | 10,890 |
| 2½ feet by 2½ feet | 6,960 |
| 3 feet by 1 foot | 14,520 |
| 3 feet by 2 feet | 7,260 |
| 3 feet by 3 feet | 4,840 |
| 3½ feet by 3½ feet | 3,555 |
| 4 feet by 1 foot | 10,890 |
| 4 feet by 2 feet | 5,445 |
| 4 feet by 3 feet | 3,630 |
| 4 feet by 4 feet | 2,722 |
| 4½ feet by 4½ feet | 2,150 |
| 5 feet by 1 foot | 8,712 |
| 5 feet by 2 feet | 4,356 |
| 5 feet by 3 feet | 2,904 |
| 5 feet by 4 feet | 2,178 |
| 5 feet by 5 feet | 1,742 |
| 5½ feet by 5½ feet | 1,440 |
| 6 feet by 6 feet | 1,200 |
| 6½ feet by 6½ feet | 1,031 |
| 7 feet by 7 feet | 888 |
| 8 feet by 8 feet | 680 |
| 9 feet by 9 feet | 537 |
| 10 feet by 10 feet | 435 |
| 11 feet by 11 feet | 360 |
| 12 feet by 12 feet | 302 |
| 13 feet by 13 feet | 257 |
| 14 feet by 14 feet | 222 |
| 15 feet by 15 feet | 193 |
| 16 feet by 16 feet | 170 |
| 16½ feet by 16½ feet | 160 |
| 17 feet by 17 feet | 150 |
| 18 feet by 18 feet | 134 |
| 19 feet by 19 feet | 120 |
| 20 feet by 20 feet | 108 |
| 25 feet by 25 feet | 69 |
| 30 feet by 30 feet | 48 |
| 33 feet by 33 feet | 40 |
| 40 feet by 40 feet | 27 |
| 50 feet by 50 feet | 17 |
| 60 feet by 60 feet | 12 |
| 66 feet by 66 feet | 10 |

## QUANTITY OF SEED USUALLY SOWN PER ACRE

| | oz. | lbs. |
|---|---|---|
| Alfalfa | | 25 |
| Artichoke, Globe | 1 | |
| " Jerusalem (tubers) | | 300 |
| Asparagus | 5 | |
| Barley | | 100 |
| Beans, Bush, drills | | 80 |
| " " Lima | | 40 |
| " Pole, hills | | 30 |
| " " Lima | | 30 |
| Beet, Table | | 6 |
| " Stock | | 8 |
| " Sugar | | 15 |
| Broom Corn drills | | 12 |
| Broccoli | 6 | |
| Brussels, sprouts | 8 | |
| Buckwheat, broadcast | | 48 |
| Cabbage, early | 8 | |
| " late | 6 | |
| Carrot, table | | 4 |
| " stock | | 3 |
| Cauliflower | 6 | |
| Celery | 4 | |
| Clover, red | | 20 |
| " White | | 15 |
| " Crimson | | 15 |
| " Egyptian | | 12 |
| " Alsike | | 10 |
| " Japanese | | 12 |
| Corn, sweet | | 14 |
| " field | | 10 |
| " for fodder | | 150 |
| " Egyptian | | 6 |
| Corn, Jerusalem | | 6 |
| " Kaffir | | 10 |
| " Kaffir, broadcast | | 50 |
| Cress | | 8 |
| Cucumber | | 2 |
| Egg Plant | 4 | |
| Endive | | 3 |
| Flax for seed | | 30 |
| " " fiber | | 50 |
| Grass, Bermuda | | 8 |
| " Brome | | 40 |
| " Crested Dogstail | | 25 |
| " Ky. Blue for pasture | | 50 |
| " " " for lawns | | 150 |
| " Orchard | | 40 |
| " Rye grass Perennial for Pasture | | 40 |
| " Rye, Perennial for lawns | | 75 |
| " " Italian | | 30 |
| " Red Top | | 30 |
| " Timothy | | 20 |
| " Hungarian | | 40 |
| " Mesquite | | 35 |
| Hemp | | 50 |
| Kohl Rabi | | 2 |
| Leek | | 4 |
| Lettuce | | 3 |
| Melon, musk | | 2 |
| " water | | 4 |
| Millet | | 50 |
| " Pearl drills | | 6 |
| Millet Pearl broadcast | | 30 |
| Milo Maize, drills | | 10 |
| Oats | | 80 |
| Okra | | 10 |
| Onion, seed for dry bulbs | | 6 |
| " " " sets | | 50 |
| Onion Sets | | 250 |
| Parsley | | 8 |
| Parsnip | | 5 |
| Peanuts | | 22 |
| Peas, drills | | 90 |
| " broadcast | | 150 |
| Pepper | 8 | |
| Potatoes, cut tubers | | 600 |
| " sweet, plants | 8M. | |
| Pumpkin | | 3 |
| Radish | | 10 |
| Rhubarb | 4 | |
| Rye | | 100 |
| Salsify | | 10 |
| Sorghum, for fodder | | 150 |
| " for Syrup | | 10 |
| Spinach | | 10 |
| Squash, bush vars | | 4 |
| " running | | 3 |
| Tobacco | 2 | |
| Tomato | 2 | |
| Turnip broadcast | | 3 |
| " drills | | 2 |
| " Rutabaga | | 3 |
| Vetches, broadcast | | 100 |
| Wheat | | 100 |

## WEIGHTS PER BUSHEL

| | lbs. |
|---|---|
| Alfalfa | 60 |
| Artichokes, Jerusalem | 60 |
| Barley | 48 |
| Beans, bush and pole | 60 |
| " Castor | 46 |
| Broom Corn Seed | 46 |
| Bran | 20 |
| Buckwheat | 50 |
| Canary Seed | 60 |
| Charcoal | 22 |
| Clover, Red, White and Alsike | 60 |
| " Japanese | 25 |
| Corn, Egyptian | 50 |
| " Jerusalem | 50 |
| Corn, Kaffir | 50 |
| " Shelled | 56 |
| " Pop | 70 |
| Flax Seed | 56 |
| Grass Seed, Blue | 14 |
| " " Brome | 14 |
| " " Crested Dogstail | 20 |
| " " Hungarian | 48 |
| " " Mesquite | 7 |
| " " Orchard | 14 |
| " " Red Top | 14 |
| " " Rye Grass Perennial | 20 |
| " " Rye Grass Italian | 20 |
| " " Timothy | 45 |
| Hemp | 44 |
| Millet | 50 |
| Milo Maize | 50 |
| Onions | 57 |
| " sets | 32 |
| Peanuts | 22 |
| Peas, round seeded | 60 |
| " Wrinkled | 56 |
| Potatoes | 60 |
| " sweet | 50 |
| Rye | 56 |
| Sorghum | 50 |
| Vetches | 60 |
| Wheat | 60 |

# Germain's TESTED SEEDS

# FLOWER SEED DEPARTMENT

## A FEW CULTURAL SUGGESTIONS

THE use and growth of flowers, especially, marks the progress of individuals and nations, the greatest nations of the earth being those with whom the love of floriculture most prevails. To the lover of flowers, what can be more interesting than to sow the seed, water and otherwise care for the growth and development of the plant, and at last enjoy the expansion of the flowers? What does the sense of proprietorship of the purchaser of flowers compare to that of the grower of them? The latter feels that they are verily his own, the results of his fostering care. Among the flowers which may be grown with a minimum amount of care and expense are those varieties which reproduce themselves from seeds. They are classed as Annuals, Biennials and Perennials, and these are subdivided into Hardy, Half-hardy and Tender varieties of each class.

**Hardy Annuals** are those plants which may be sown in the open air. They grow, flower, produce seed and then die.

**Half-Hardy Annuals** are those varieties which require an even temperature of at least 60 degrees to germinate the seed, and will not stand frost; consequently they must not be sown in the open ground during the fall or winter months, and not in the spring till April. A good rule for those to follow who wish to sow this class is to wait for the proper weather and season in which to sow corn, melon or pumpkin seeds.

**Tender Annuals** are those that require greenhouse protection, as Calceolaria, etc.; the seeds are usually very fine, and it requires skill and care to raise them.

**Hardy Biennials** are those that flower in the second year from sowing the seed and then die.

**Hardy Perennials** are among the finest of our border plants. They do not usually flower till the second year after sowing, but may be relied upon to produce larger clumps of flowers year by year for many years.

**Half-Hardy Perennials** are those which require some protection during the coldest weather, as they will not stand frost.

**Tender Perennials** are those species that require greenhouse or other protection during the greater part of the year, as they are, generally speaking, natives of tropical countries.

The best time to sow Hardy Annuals is in the fall months, as they will make much stronger plants and flower much more abundantly when wintered over. They may be sown in any finely-prepared shady border, and transplanted when large enough, to where they are to flower. Do not cover the seeds too deep. A good rule is to cover each seed its own depth with soil, at the same time taking care to water carefully. Never water so much that the soil gets "soggy," i. e., saturated; nor ever let the top get dry. Most varieties will germinate within ten days.

They may also be sown at any time during the spring months for summer blooming, care being taken to shade the young plants after transplanting, in hot weather.

Half-hardy Annuals may be sown in April out-of-doors, or in boxes, in March or earlier. If in boxes they should be covered or removed under cover during the night-time and during heavy rains. Those who have hotbeds may sow the seed in February and grow the plants in 3-inch pots for planting outdoors in April, thus gaining two months on those who have not this advantage. (See instructions for making hotbeds in calendar of operations). If sown in boxes, the boxes should have an inch of rough soil or gravel at the bottom for drainage; the remainder of the box should be filled within an inch of the top with sifted, light, rich soil, firmly pressed, and the seed should be sown, covered its own depth with soil, again pressed and watered. When the young plants are large enough to be handled, prick out into other boxes, planting them about 1 inch apart, and, when weather permits, they should afterwards be planted in the open ground in the place where they are to flower.

Tender Annuals should be sown in pots as follows: Take a 5 or 6-inch flower pot, put an inch of drainage in the bottom, then 2 inches of finely-sifted soil, firmly pressed, with a sprinkling of sand on top. Then sow the seed, and do not cover, but press into the soil. Water with a very fine sprinkler, and cover the top of the pot with a sheet of glass. Remove the glass for an hour daily to dry up the damp. When seedlings appear, gradually harden them off to the air. As soon as they can be handled, prick out into 2-inch pots, and shift again when necessary.

Hardy Biennials and Perennials should be sown in September. Many varieties, if sown then, will flower to the next year. If sown in spring they will not flower till a year later. They may be sown in a shady border, and, when large enough, transplanted to where they are to remain.

Half-hardy and Tender Perennials should be sown in boxes, and treated as recommended for Half-hardy Annuals till plants appear, when they should be pricked into 2-inch pots, and shifted afterwards when necessary.

We have arranged our list of flower seeds according to the various classes: Annuals, including separate lists of Everlasting Flowers and Ornamental Gourds; Climbers, Annual and Perennial; Biennials and Perennials; Ornamental Grasses, Annual and Perennial.

ABBREVIATIONS. Hh means Half-hardy, Annual or Perennial; T means Tender, Annual or Perennial. When no abbreviation is used, the variety will prove hardy in this climate. The letter B affixed to a variety means that it is useful for bouquets and cut-flowers.

# GERMAIN'S COLLECTION OF FLOWERS

## SPECIAL OFFER

These are put up in separate packets, each labeled with the name, and all enclosed in an envelope labeled with the number of varieties contained therein.

**Collection No. 1**
25 fine vars. of Annual and Perennial flower seeds... $1.00

**Collection No. 2**
12 vars. Annual and Perennial flower seeds..... 50

**Collection No. 3**
12 beautiful vars. Climbing and Trailing plants..... 50

**Collection No. 4**
6 beautiful vars. Climbing and Trailing plants..... 25

**Collection No. 5**
6 fine vars. of Everlasting flowers..... 25

**Collection No. 6**
6 choice vars. of Tom Thumb Nasturtiums..... 25

**Collection No. 7**
6 choice vars. of Tall or Climbing Nasturtiums..... 25

**Collection No. 8**
6 beautiful vars. of Ornamental Gourds..... 25

**Collection No. 9**
4 grand vars. of Passion Flowers..... 50

**Collection No. 10**
5 fine vars. Ornamental Grasses..... 25

# COLLECTION OF HARDY ANNUALS AND PERENNIALS

It often happens that in looking over the general list of Flower Seeds one is puzzled to know just what to select, something that can be easily grown, and at the same time effective and showy; something lasting, that can be used as cut flowers to ornament the home. In order to help our customers in making a selection, we have put up the collections enumerated on this page, and have included the richest colored, most showy and lasting varieties grown. We would especially draw the attention of lovers of flowers to our collection of Hardy Perennials. They may be sown in the Spring, as well as the Fall; preferably in seed beds and transplanted, and most of them will bloom the first season; but their greatest recommendation is the fact, that when once established in a bed, they are permanent, lasting year after year, an ever present object of beauty and usefulness.

On this page, we have also given a list of Hardy, showy Annuals, especially adapted for bedding, massing and cut flowers. While annuals will have to be sown each year, it will well repay to plant the varieties we have put up in this collection. For beauty of color, stability of flowers and general usefulness, they cannot be surpassed. They may be sown either in Spring or Fall.

## COLLECTION OF HARDY PERENNIALS

### $1.50

**Regular Value $2.00**

1 Pkt. **AGERATUM** (Floss Flower). Blue, height ¾ ft
1 Pkt. **ANTIRRHINUM** (Snapdragon). Mixed colors, height 2 ft.
1 Pkt. **AQUILEGIA** (Columbine). Mixed best varieties, height 2 ft.
1 Pkt. **CENTAUREA CANDIDISSIMA** (Dusty Miller), height 1½ ft.
1 Pkt. **COREOPSIS LANCEOLATA.** Bright Gold. Extremely desirable, height 2 ft.
1 Pkt. **DELPHINIUM ELATUM** (Bee Larkspur). Mixed blue, ht. 2 ft.
1 Pkt. **DIGITALIS** (Foxglove). Best variety handsome markings, 3 ft.
3 Pkts. **DIANTHUS** (Hardy Pinks). Three different varieties of rich and handsome colorings, height 1 ft.
1 Pkt. **FRAXINELLA** (Burning Bush). Height 2 ft.
1 Pkt. **FRENCH HONEYSUCKLE.** Red and white mixed, height 3 ft.
1 Pkt. **GAILLARDIA** (Blanket Flower). Finest mixed, height 2 ft.
1 Pkt. **HONESTY.** An old fashioned flower with a curious seed pod. Flowers pink, purple and white, height 1½ ft.
1 Pkt. **IPOMOPSIS** (Texas Plumes). Scarlet and gold, height 3 ft.
1 Pkt. **HUNNEMANNIA** (Yellow Tulip Poppy). With crinkled petals, height 2 ft.
1 Pkt. **MARVEL OF PERU** (Four o'clock). Large flowering mixed, 2ft.
1 Pkt. **PENTSTEMON GRANDIFLORA.** Finest mixed, height 2 ft.
1 Pkt. **PYRETHRUM ROSEUM.** Single finest mixed, height 2 ft.
1 Pkt. **ROSE CAMPION** (Agrostemma Coronaria). Crimson flowers, height 1½ ft.
1 Pkt. **SWEET ROCKET** Dame's Violet). Sweet scented mixed, 1½ft.
1 Pkt. **SWEET WILLIAM.** Finest varieties single and double mixed. height 1½ ft.
1 Pkt. **VINCA** (Periwinkle). Mixed colors, height 2 ft.
1 Pkt. **WALLFLOWER.** Fragrant. Finest varieties mixed, height 2 ft.

## COLLECTION OF HARDY ANNUALS

### $1.00

**Regular Value $1.40**

1 Pkt. **ALYSSUM SWEET.** White, Height ¾ ft.
1 Pkt. **ARCTOTIS GRANDIS.** White with blue disc, height 2 ft.
1 Pkt. **BALSAM** (Lady's Slipper). Height 2 ft.
1 Pkt. **CALENDULA** (Prince of Orange). Brilliant Orange, height ¾ ft.
1 Pkt. **CANDYTUFT.** Pink, height 1 ft.
1 Pkt. **CANDYTUFT.** Empress white, height 1 ft.
1 Pkt. **CENTAUREA IMPERIALIS.** Finest mixed, height 2 ft.
1 Pkt. **CHRYSANTHEMUM.** Choice mixture, height 2 ft.
1 Pkt. **CALIFORNIA POPPY.** Golden yellow, height 1 ft.
1 Pkt. **CORN FLOWER** (Ragged Sailor). Blue, height 2 ft.
1 Pkt. **GODETIA.** Extra fine mixed, height 1½ ft.
1 Pkt. **GYPSOPHILA ELEGANS.** Very graceful for bouquets, height, 1½ ft.
1 Pkt. **LAVATERA TRIMESTRIS.** Rose color, height 2½ ft.
1 Pkt. **LINUM** (Scarlet Flax). Beautiful Crimson Scarlet, height 1 ft.
1 Pkt. **MARIGOLD FRENCH.** Mixed beautiful bronzed and yellow shades, height 1 ft.
1 Pkt. **MIGNONETTE.** All sorts mixed, height 1 ft.
1 Pkt. **NASTURTIUM TOM THUMB.** Finest mixed, height 1 ft.
1 Pkt. **PHLOX.** Finest mixed, height 2 ft.
1 Pkt. **POPPY.** Mixed all sorts, height 2 ft.
1 Pkt. **SCABIOSA** (Morning Bride). Finest mixed, height 2 ft.
1 Pkt. **ZINNIA** (Youth and Old Age). Mammoth mixed.

# SEEDS OF ANNUALS

All 5c packets at 50c per doz.; 10c packets at $1 doz.; 15c packets $1.50 doz.; 25c packets $2.50 doz.

Pkt.

**ABRONIA umbellata** (Sand Verbena). Delicate rose. Beautiful native trailer. Height ¼ ft..... $0 05

**ADONIS Flos** (Pheasant's Eye). Crimson, with black eye. A beautiful showy, free-flowering plant. Height 1 ft..... 05

**AGERATUM Mexicanum.** Fine for bedding or mixed borders.

**Imperial Dwarf Blue.** Height ¾ ft..... 05

**Imperial Dwarf White.** Height ¾ ft..... 05

**ALYSSUM.** B. Well-known fragrant annuals.

**Sweet. White.** Height ¾ ft..... 05

**Sweet. Compact.** Dwarf, White. Height one-third ft..... 05

**AMARANTHUS.** Hh. The Amaranthus are splendid plants to give a tropical effect in mixed borders and shrubbery. Plant in sunny places and poor soil.

**Melancholicus** (Ruber). Blood-red. Height 1 ft..... 05

**Salicifolius** (Fountain Plant). Purple, crimson and gold. Height 3 ft..... 05

**Tricolor** (Joseph's Coat). Red, green and yellow. Height 1 ft..... 05

**ANAGALLIS** (Pimpernel). Mixed various colors. Free-blooming, attractive plant for borders. Height ½ ft..... 05

**ARCTOTIS grandis.** Pure white, reverse of petals pale lilac. The plants are of easy culture and flower abundantly from early summer till fall. Height 2 to 2½ ft..... 10

**ARGEMONE** (Mexican Poppy). Mixed, white and yellow. Very showy. Height 2 ft..... 05

**ARNEBIA cornuta** (Arabian Primrose). B. Yellow, spotted with black or maroon. Height 1¼ ft..... 15

**ASTER, American Branching.** Crimson Flesh-pink, Rose-pink, Lavender, White, Purple and Mixed. Height 1½ ft.. 10

**Betteridge's Quilled.** Mixed. Height 1½ ft..... 10

**Cocardeau, or Crown.** White centers, mixed. Height 1½ ft. 10

ASTERS

ARCTOTIS GRANDIS

**ASTERS—Continued** Pkt.

**Dwarf Pyramidal Bouquet.** Mixed. Height ¾ ft..... 10

**Dwarf Chrysanthemum flowered.** Mixed. 1 ft..... 10

**Giant Comet.** Azure-blue. Height 2 ft..... 10

**Giant Branching Comet,** Carmine. Height 2 ft..... 10

**Giant Branching Comet,** White Height 2 ft..... 10

**Giant Branching Comet.** Mixed. Height 2 ft..... 10

**Lady Mixed.** Height 1 ft..... 10

**Truffaut's Peony-flowered Perfection.** Mixed. Height 1½ ft..... 10

**Truffaut's Peony-flowered Perfection.** White. Height 1½ ft..... 10

**Vick's Branching.** Lavender. Height 1½ ft..... 10

**Vick's Branching.** Rose Pink. Height 1½ ft..... 10

**Vick's Branching.** White. Height 1½ ft..... 10

**Victoria.** Mixed. Height 1½ ft..... 10

**Victoria.** White. Height 1½ ft..... 10

Well-known useful plants; invaluable for display in the garden and also for cut-flowers. The American Branching and Giant Comet varieties are the favorites among florists. The Lady Aster is a new distinct class with very narrow leaves and remarkable free-flowering qualities, and is one of the finest for cutting purposes.

**BALSAM.** Hh. Balsams, or "Touch-me-nots," are among the finest of our annuals, either for garden or pot culture; we offer none but the finest strains.

**Double Rose-flowered.** Mixed. Height 2 ft..... 10

**Camelia-flowered.** Mixed. Height 2 ft..... 10

**Dwarf.** Mixed. Height 1 ft..... 05

**Carnation-striped.** Mixed. Height 2 ft..... 10

**Solferino.** White, lilac and scarlet. Height 2 ft..... 10

**BARTONIA aurea.** Yellow. Height 1 ft..... 05

## SEEDS OF ANNUALS (Continued)

Pkt.

**BRACHYCOME Iberidifolia** (Swan River Daisy). Free-blooming plants, with cineraria-like flowers. Native of Western Australia. Mixed. Height 1 ft. ..... 05

**BROWALLIA Elata.** Hh. Mixed. Height 1½ ft. ..... 10

**CACALIA coccinea** (Flora's Paint Brush). B. Scarlet. Height ½ ft. ..... 05

**CALANDRINA umbellata.** Portulaca-like plants, fond of sunshine, well-suited for rock-work. Vivid crimson. Height ¼ ft. ..... 05

**CALCEOLARIA hydrida superba.** T. The seed we offer has been hybridized by the best cultivators, and is the most superb strain procurable. Sow in August. Beautifully blotched, mottled and striped. Height 1½ ft. ..... 50

**CALENDULA officinalis** (Pot Marigold). Of easy culture.
- **Meteor.** Yellow striped and bordered orange. Height 1½ ft., 05
- **Prince of Orange.** Height ¾ ft. ..... 05

**CALLIOPSIS.** Also called Coreopsis. B. See Perennials.
- **Bicolor.** Yellow and brown. Height 2 ft. ..... 05
- **Coronata.** Yellow, large-flowered. Height 2 ft. ..... 05
- **Fine Mixed.** All colors. Height 2 ft. ..... 05

**CANDYTUFT.** B. Good for bedding in masses.
- **Carter's Carmine.** Height 1 ft. ..... 10
- **Empress.** White. Height 1 ft. ..... 10
- **Little Prince.** White. Height ½ ft. ..... 10
- **Purple.** Height 1 ft. ..... 05
- **White.** Height ¾ ft. ..... 05
- **White, Fragrant.** Height 1 ft. ..... 05
- **Fine Mixed.** All colors. Height 1 ft. ..... 05

**CATCHFLY.** Fine mixed. Height 1 ft. ..... 05

**CELOSIA.** Hh. **Celosia cristata** is the Cocks-comb; **Celosia pyramidalis** is the feathered variety.
- **Cristata, Finest Mixed.** Height ¾ to 1 ft. ..... 10
- **Cristata, Empress.** Dwarf, crimson, splendid. Height ¾ ft., 15
- **Cristata, Glasgow, Prize.** Crimson. Height 1 ft. ..... 15
- **Pyramidalis.** Mixed. Height 2 ft. ..... 05

**CENTAUREA.** B. The Cyanus varieties are the well-known Corn Flowers. The Moschata varieties and Sauveolens are the old-fashioned Sweet Sultans.
- **Imperialis.** Brilliant rose, lavender, purple, white and mixed. Height 2 ft. ..... 10
- **Chameleon.** Flowers similar in shape to **C. Marguerite,** but varying in color, from light yellow or straw-color to pink and yellow, or light rose. Height 1½ ft. ..... 10
- **Marguerite.** Large, pure white flowers, about 2½ in. in diameter, with edge and petals beautifully tubed and twisted. Height 1½ ft. ..... 10
- **Cyanus, Emperor William.** Sky-blue. Height 2 ft. ..... 05
- **Cyanus.** White. Height 2 ft. ..... 05
- **Cyanus.** Pink. Height 2 ft. ..... 05
- **Cyanus.** Dark blue. Height 2 ft. ..... 05
- **Cyanus.** Mixed. Height 2 ft. ..... 05
- **Moschata.** White. Height 3 ft. ..... 05
- **Suaveolens.** Yellow. Height 1½ ft. ..... 05
- **Mixed.** Height 1½ to 3 ft. ..... 05

**CENTRANTHUS.** B. Mixed, various colors. Showy annuals, with valerian-like flowers. Height 1 ft. ..... 05

**CHRYSANTHEMUM.** (See also Perennials.) The annual Chrysanthemum is rapidly rising in favor, being showier than the Marguerite, and of diverse colors.
- **Tricolor album.** White. Height 2 ft. ..... 05
- **Tricolor burridgeanum.** White, with crimson ring. Height 2 ft. ..... 05
- **Tricolor Double Mixed.** Various colors. Height 2 ft. ..... 05
- **Tricolor W. E. Gladstone.** Rich crimson. Height 2 ft. ..... 05
- **Coronarium.** Double White. Height 2 ft. ..... 05
- **Coronarium.** Double yellow. Height 2 ft. ..... 05
- **Morning Star.** New beautiful pale yellow flowers, fine for cutting. ..... 10

**CINERARIA hybrid.** T. (See also Perennials.) Valuable winter and spring flowering pot plants for window or greenhouse culture. Choice mixed. Height 1 ft. ..... 05

Pkt.

**CLARKIA elegans.** Double rose. Height 1½ ft. ..... 05
- **Fine Mixed.** All kinds. Height 1½ ft. ..... 05

**CLINTONIA pulchella.** Pretty for rock work. Blue, white and yellow. Height ½ ft. ..... 10

**COLLINSIA bicolor.** Purple and white. Height 1 ft. ..... 05

**CONVOLVULUS minor** (Dwarf Morning-glory). Mixed colors. Height 1 ft. ..... 05

**CORN FLOWER.** (See Centaurea.)

**COSMOS.** B. Showy flowers of easy cultivation.
- **Lady Lennox.** A delightful shell-pink, 4 to 5 inches in diameter. ..... 10
- **White.** Height 4 ft. ..... 05
- **Pink.** Height 4 ft. ..... 05

COSMOS LADY LENNOX

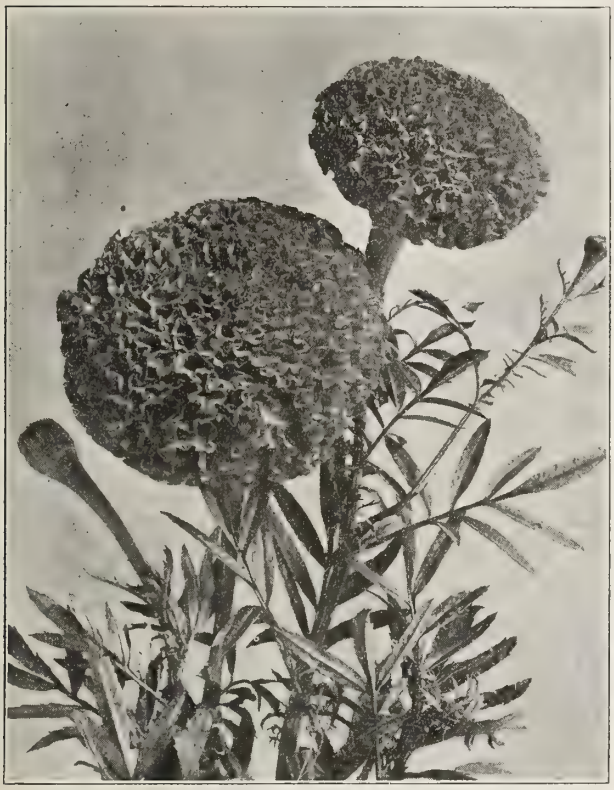
- **Fine Mixed.** Height 4 ft. ..... 05
- **Mammoth Perfection.** White. Height 4 ft. ..... 10
- **Mammoth Perfection.** Crimson. Height 4 ft. ..... 10
- **Mammoth Perfection.** Pink. ..... 10
- **Mammoth Perfection.** Yellow. Height 4 ft. ..... 10
- **Mammoth Perfection.** Mixed. Height 4 ft. ..... 10

**COSMIDIUM Burridgeanum.** B. Resembles Calliopsis. Maroon and yellow. Height 2 ft. ..... 05

**DATURA Huberiana.** Hh. Double Mixed. Height 3 ft. ..... 10

**ESCHSCHOLTZIA.** The well-known California Poppy. The Golden West is a fine variety producing very large flowers, of a light canary-yellow color, with an orange blotch at the base of each petal, forming a maltese cross in the center of the flower.
- **Californica.** Yellow. Height 1 ft. ..... 05
- **Crimson Flowering.** (Burbank's) ..... 10
- **Golden West.** Canary-yellow and orange. Height 1 ft. ..... 10
- **White and Carmine.** Height 1 ft. ..... 10
- **Orange.** Height 1 ft. ..... 05
- **Orange, Double.** Height 1 ft. ..... 10
- **White.** Height 1 ft. ..... 05
- **White, Double.** Height 1 ft. ..... 10
- **Rose Cardinal.** Height 1 ft. ..... 10
- **Mandarin.** Orange and mandarin red. Height 1 ft. ..... 10
- **Fine Mixed.** All sorts. Height 1 ft. ..... 05

## SEEDS OF ANNUALS (Continued)



AFRICAN MARIGOLD

Pkt.

**EUTOCA.** Mixed. B. Various colors. Height ½ ft. 05

**FENZLIA dianthiflora.** Pink and white. Height ¼ ft. 15

**GAURA Lindheimeri.** Rosy white. Fine for masses or mixed borders. Height 3 ft. 10

**GILIA Tri-color.** Violet, Yellow and White, Height 1 ft. 05

**Dwarf Sorts.** Mixed. Height ½ ft. 05

**GODETIA.** Splendid, profuse blooming annuals for borders and groups.

**Duchess of Albany.** Large white. Height 1½ ft. 05

**Gloriosa.** Dark blood-red with satin luster. Height ¾ ft. 05

**Lady Albermarle.** Dark Crimson. Height 1½ ft. 05

**Rubicunda splendens.** Red. Height 1½ ft. 05

**Amoena.** Dark rose, native variety. Height 1½ ft. 05

**The Bride.** Crimson and white. Height 1½ ft. 05

**Finest Mixed.** Height 1½ ft.

**GYPSOPHILA elegans.** B. Rosy white. Very graceful. Height 1½ ft. See also, Perennials 05

**HELIANTHUS.** Ornamental double varieties of the well-known Sunflower. Good for backgrounds.

**Californicus.** Double. Height 6 ft. 05

**Cucumerifolius.** "Stella" single Golden yellow with black center. Height 3½ ft. 10

**Globosus fistulosus.** Double-quilled. Height 6 ft. 05

**Nanus.** Dwarf; double. Height 3 ft. 05

**HIBISCUS Africanus.** Yellow, with dark center. Height 2 ft. See, also Perennials 05

**ICE PLANT (Mesembryanthemum crystallinum).** White. Trailer 05

**KAULFUSSIA amelloides** (Cape Marguerite). B. Mixed. Height 1 ft. 05

**ARKSPUR, Dwarf Rocket.** Mixed. Height 2 ft. 05

Pkt

**Emperor.** Azure Blue. Height 2½ ft. 05

**Emperor,** Rose. Height 2½ ft. 05

**Tall Stock-flowered.** Mixed. Height 2½ ft. 05

**LAVATERA trimestris.** Red. Height 2½ ft. 05

**LEPTOSIPHON hybridus.** Height 1-3 ft. 05

**LIMNANTHES Douglasii.** Sometimes called Yellow Nemophilia Yellow. Height 1-3 ft. 05

**LINUM grandiflorum rubrum.** (Crimson Flax). Crimson. Unsurpassed for brilliancy and duration of bloom. Height 1 ft. 05

**LOBELIA.** Pretty plants for edging or hanging baskets. See, also, Perennials.

**Erinus erecta.** Blue. Height ½ ft. 10

**Erinus erecta. Crystal Palace Compacta.** Dark blue. Height 1-3 ft. 10

**Erinus erecta. Emperor William.** Light blue. Compact. Height 1-3 ft. 10

**LOVE-LIES-BLEEDING (Amaranthus caudatus).** Crimson. Height 2 ft. 05

**LUPINUS.** See also Perennials.

**Mixed Annual Varieties.** B. Height 2 to 3 ft. 05

**Nanus.** Dwarf, blue. Height ½ ft. 05

**MALOPE grandiflora purpurea.** Reddish purple. Height 2 ft. 05

**MATTHIOLA bicornis** (Night-scented stock). Purple; fragrant. Height ½ ft. 05

**MARIGOLD.** Favorite showy plants for mixed borders. See also Calendula.

**African.** Lemon-colored. Height 2 ft. 05

**African.** Orange. Height 2 ft. 05

**African.** Mixed. Height 2 ft. 05

**French Dwarf Orange.** Height 1 ft 05

**French, Dwarf Striped.** Height 1 ft. 05

**French, Legion of Honor.** Golden Yellow, marked with velvety brown. Height ¾ ft. 05

**French.** Mixed. Height 1 ft. 05

**MESEMBRYANTHEMUM tricolor** (Dew Plant). For edge or rockwork. Purple, rose and white. Trailer 05

**MIGNONETTE, Sweet.** B. Greenish white. Height ½ ft. 05

**Large-flowering.** Greenish white. Height ¾ ft. 05

**Allen's Defiance.** The best variety for forcing. Height 1 ft. 10

**Golden Queen.** Height 1 ft. 10

**Machet.** Fine for pot culture. Height 1 ft. 10

**Miles' Hybrid Spiral.** Very large spikes. Height 1 ft. 10

**Parson's.** White. Fine long spikes. Height 1 ft. 10

**Victoria.** Red; very fine. Height 1 ft. 10

The last six kinds are extra fine.

**NASTURTIUM, TOM THUMB.**

**Aurora** (Terra-cotta). Height 1 ft. 05

**Bronze.** Distinct. Height 1 ft. 05

**Chameleon.** A fine variety producing different flowers on the same plant. Height 1 ft. 10

**Cloth of Gold.** Light scarlet, yellow foliage. Height 1 ft. 05

**Dark Crimson.** Height 1 ft. 05

**Empress of India.** Dark leaves and crimson flowers. Height ¾ ft. 10

**Golden King.** Dark foliage. Height 1 ft. 05

**King of Tom Thumbs.** Dark foliage, scarlet flowers. Height 1 ft. 05

**King Theodore.** Nearly black. Height 1 ft. 10

**Ladybird.** Orange-yellow, red spots. Height 1 ft. 10

**Pearl.** White. Height 1 ft. 05

**Regalianum.** Purplish violet. Height 1 ft. 05

**Ruby King.** Light ruby-red. Height 1 ft. 10

**Scarlet.** Height 1 ft. 05

**Yellow.** Height 1 ft. 05

**Finest Mixed.** Height 1 ft. 05

**Lilliput.** A new and distinct class, in every respect smaller than the Tom Thumbs. Flowers of various colors. Height ½ ft. 10

**For Fall Nasturtiums see Climbing List.**

## SEEDS OF ANNUALS (Continued)

PORTULACA, SINGLE

| | Pkt. |
|---|---|
| **NEMOPHILA** (Love Grove). Charming California annuals for borders. | |
| **Insignis (Baby Blue Eyes).** Beautiful sky blue. Height ½ ft. | 05 |
| **Maculata.** Large, white with purple blotch. Height ½ ft. | 05 |
| **Fine Mixed.** Height ½ ft. | 05 |
| **NICOTIANA affinis** (Ornamental Tobacco). White and fragrant. Height 3 ft. | 10 |
| **Sanderae.** Large flowering hybrids, very showy, a profuse bloomer, easily raised from seed. | |
| **Mixed.** All colors. | 10 |
| **NIGELLA** (Love-in-a-Mist or Devil-in-the-bush). B. Singular flowers, the upper petals being reflexed to resemble horns. | |
| **Damascena.** Double. Lavender-blue. Height 1 ft. | 05 |
| **NOLANA.** Fine mixed. Trailer | 05 |
| **OXYURA chysanthemoides.** Yellow and white. Height 1 ft. | 05 |
| **PANSY.** (See list of Perennials.) | |
| **PERILLA Nankinesis.** Hh. Very dark leaves. Height 1½ ft. | 05 |
| **PHLOX Drummondii.** Well-known showy plants for bedding. | |
| **White.** Height 1 ft. | 10 |
| **Double White.** Height 1 ft. | 15 |
| **Double Yellow.** Height 1 ft. | 15 |
| **Bright Scarlet.** Height 1 ft. | 10 |
| **Red, with white eye.** Height 1 ft. | 10 |
| **Grandiflora.** Chamois-rose. Height 1 ft. | 10 |
| **Fine Mixed.** Height 1 ft. | 05 |
| **Rose, Striped White.** Height 1 ft. | 10 |
| **Pink.** Height 1 ft. | 10 |
| **Large-flowering.** Fine mixed. Height 1 ft. | 10 |
| **Very Dwarf, Fireball.** Brilliant scarlet. Height ½ ft | 10 |
| **Very Dwarf, Extra Fine Mixed.** Height ½ ft. | 10 |
| **Cuspidata** (Star Phlox). Mixed. Height 1 ft. | 10 |

| | Pkt. |
|---|---|
| **PLATYSTEMON Californicus** (Cream Cups). Yellow. Height 1 ft. | 05 |
| **POPPY, Carnation.** Double White. Height 2 to 3 ft. | 05 |
| **Carnation, Double Mixed.** Height 2 to 3 ft. | 05 |
| **Danebrog.** Scarlet, blotched white. Height 2 ft. | 05 |

PHLOX DRUMMONDII

| | |
|---|---|
| **French, or Ranunculus-flowered.** Mixed. Height 2 ft. | 05 |
| **Mikado.** White and crimson, double-fringed. Height 2 ft. | 05 |
| **Miss Sherwood.** The flowers are from 4 to 5 inches across, pure satiny white-tinged with chamois-rose. Height 2½ ft. | 10 |
| **Peony-flowered Fine Mixed.** Height 2 to 3 ft. | 05 |

## SEEDS OF ANNUALS (Continued)

# Try this 50 Cent Collection of Annuals

**One Package Each.**

**Calendula, Prince of Orange**
**Candytuft**
**Centranthus**
**Linum, (Scarlet flax)**
**Kaulfussia**
**Nigella**
**Schizanthus**
**Phlox**
**Tagetes Pumila**
**Gilia**
**Migonette, Sweet**
**Matthiola**

Make a showy bed for spring and summer blooming.

SCABIOSA GRANDIFLORA

SALPIGLOSSIS

| | Pkt. |
|---|---|
| **POPPY, Shirley, Santa Rosa Strain.** The best and most varied strain in existence, including the new striped salmon and bluish shades. Height 2 ft. | 10 |
| **Shirley, Mixed.** A distinct race, fine. Height 2 ft. | 05 |
| **Tulip** (Papaver glaucum). Scarlet. Height 1¼ ft. | 10 |
| **Umbrosum.** Scarlet-crimson. Height 1½ ft. | 10 |
| **(See also list of Perennials.)** | |
| **PORTULACA, Single.** Yellow, white, scarlet, crimson and mixed. Height ½ ft. | 05 |
| **Double.** For exhibiting a display of dazzling brilliancy the Portulaca is unrivaled. It revels in sunshine, and will stand quite a degree of drought. White, Golden, Pink, Scarlet and Mixed. Height ½ ft. | 10 |

| | Pkt. |
|---|---|
| **RICINUS Cambodgensis** (Ornamental Castor Beans). Leaves and stems nearly black; very fine. Height 5 ft. | 05 |
| **Sanguineus.** Blood-red foliage. Height 6 ft. | 05 |
| **SALPIGLOSSIS.** Hh. Flowers are somewhat like Petunias, with veined, velvety surface. | |
| **Finest Tall Mixed.** Height 1½ ft. | 10 |
| **SANVITALIA.** Profuse-blooming trailing plants for beds, rock-work, etc. Sometimes called the Trailing Sunflower. | |
| **Procumbens.** Single Yellow. Trailer. | 05 |
| **Double Yellow.** Trailer. | 05 |
| **SAPONARIA Calabrica** (The Calabrian Pink or Soapwort). Pink. Height ½ ft. | 05 |
| **SCABIOSA** (Mourning Bride). B. A well-known border plant, free-blooming and fragrant. | |
| **Azure Fairy.** Delicate Lavender. Height 2ft. | 10 |
| **Tall Double Flesh Color.** Height 2 ft. | 10 |
| **Tall Double Rose.** Height 2 ft. | 10 |
| **Tall Double White.** Height 2 ft. | 10 |
| **Tall, Double Mixed.** Height 2 ft. | 05 |
| **Dwarf, Double Mixed.** Height 1 ft. | 05 |
| **SCHIZANTHUS.** Of much interest and beauty, flowers being beautifully marked, after style of some orchids. | |
| **Pinnatus.** Blue. Height 1½ ft. | 05 |
| **Finest Mixed.** Height 1½ ft. | 05 |
| **SILENE.** Fine for bedding or edging. | |
| **Pendula compacta.** Red. Height ¾ ft. | 05 |
| **Compacta.** Double red. Height ¾ ft. | 05 |
| **STOCKS- Ten Weeks.** For intermediate, Brompton and other Stocks, see Perennials. Stocks offered below are the finest obtainable. The seed is saved from pot-grown plants, and may be relied upon to produce nearly all double flowers. The Princess Alice and Giant Perfection varieties are the finest for cutting purposes. | |
| **Large-flowered.** Crimson, Flesh-color, Light Blue, Rose, Yellow, White and Finest Mixed. Height 1 ft. | 10 |
| **Giant Perfection.** Fiery Crimson, Flesh-color, Rose, Light Blue, Dark Blue, White. Height 2 ft. | 15 |
| **Finest Mixed.** Height 2 ft. | 10 |
| **Princess Alice** (Cut-and-come-Again). White. Height 1½ ft. | 10 |
| **Wallflower-leaved. Snowflake.** Pure white. Height 1 ft. | 15 |
| **Wallflower-leaved.** Finest Mixed. Height 1 ft. | 15 |
| **SUNFLOWER.** (See Helianthus.) | |
| **SWEET SULTAN.** (See Centaurea.) | |
| **SWEET PEAS.** (See list of climbers.) | |
| **TAGETES signata pumila.** Yellow, striped brown, fine for bedding. Height ¾ ft. | 05 |
| **TORENIA Fournieri.** T. A valuable plant for pots, baskets or borders. Violet, with lilac and yellow. Height ¾ ft. | 15 |
| **VENUS' LOOKING-GLASS.** Pretty bell-shaped flowers; blooming profusely, well adapted for edging and hanging-baskets. Blue. Height ¾ ft. | 05 |
| **VIRGINIAN STOCK.** Red, white and mixed. Height ½ ft. | 05 |
| **VISCARIA coeli-rosea** (Rose of Heaven). Pink. Height ¾ ft | 05 |
| **Elegans picta.** Rose and scarlet. Height 1 ft. | 05 |
| **Oculata.** Rose, dark eye. Height 1 ft. | 05 |
| **WHITLAVIA grandiflora.** Violet. Height ½ ft. | 05 |
| **Gloxiniodes.** White and blue. Height ½ ft. | 05 |
| **ZINNIA** (Youth and Old Age). B. Of great beauty and variety of color. | |
| **Finest Double Mixed.** Height 2 ft. | 05 |
| **Dwarf.** Double mixed. Height 1 ft. | 05 |
| **Mammoth.** Double mixed. Height 3 ft. | 10 |
| **Haageana, fl. pl.** Double, yellow. Height 1 ft. | 10 |

# EVERLASTING FLOWERS AND GOURDS

HELICHRYSUM, DOUBLE

ACROCLINIUM, DOUBLE PINK

## EVERLASTING FLOWERS

These are greatly admired and highly prized for winter bouquets. They should be cut when partially expanded, and hung with the heads downward until thoroughly dry.

| | Pkt. |
|---|---|
| **Acroclinium.** Single, white; height 1 ft. | 05 |
| Pink; height 1 ft. | 05 |
| Mixed; height 1 ft. | 05 |
| Double, white, 50 per cent double flowers; height 1 ft. | 10 |
| **Acroclinium.** Double, pink. (See cut.) 50 per cent double flowers; height 1 ft. | 10 |
| **Ammobium Alatum.** White; height 1 ft. | 05 |
| **Globe Amaranthus.** Purple; height 1 ft. | 05 |
| White; height 1 ft. | 05 |
| Fine mixed; height 1 ft. | 05 |
| **Gnaphalium Leontopodium.** White; height ½ ft. The true "Alpine Edelweiss." | 15 |
| **Helichrysum.** (Straw Flower.) Tall, double pink; height 2 ft. | 10 |
| Tall, double, white; height 2 ft. | 10 |
| Tall, double, mixed (see cut); height 2 ft. | 10 |
| **Rhodanthe.** Mixed; height 1 ft. | 10 |
| **Xeranthemum.** Double, mixed; height 2 ft. | 05 |

## ORNAMENTAL GOURDS

| | |
|---|---|
| **Abobra Viridiflora.** Greenish flowers; a tuberous perennial gourd, with pretty scarlet fruits; Height 6 ft. | 10 |
| **Byronopsis Laciniosa Erythrocarpa.** Very ornamental, with pleasing cut foliage, and bright, colored fruits. Height 5 ft. | 10 |
| **Cucumber Snake** (Cucumis flexusus). Height 6 ft. | 10 |
| Wild. Very curious. Height 4 ft. | 10 |
| **Gourd.** Bottle-shaped. White flowers. Height 10 ft. | 10 |
| Calabash-shaped. Height 10 ft. | 10 |
| Dipper. Height 10 ft. | 05 |
| Dish Rag. When properly prepared this is very serviceable in many ways. Height 6 ft. | 10 |
| **Egg Shaped.** "Nest Egg"; Height 10 ft. | 05 |
| **Gooseberry.** Smallest; Height 10 ft. | 10 |
| **Hercules Club.** Fruits 7 to 8 ft. in length; Height 15 ft. | 05 |
| **Orange Shaped.** (Mock Orange); Height 15 ft. | 10 |
| **Pear Shaped.** Height 10 ft. | 10 |
| **Serpent** (Trichosanthes Colubrina). Very long and coiled. Height 10 ft. | 10 |

EGG-SHAPED GOURD

| | |
|---|---|
| **Sugar Trough.** Enormous, holding several gallons. Height 15 ft. | 05 |
| **Momordica Balsamina.** "Balsam Apple." Height 6 ft. | 10 |
| **Charantia.** "Balsam Pear." Height 5 ft. | 10 |
| The Momordicas are very handsome. The fruits burst when ripe, exposing bright orange-scarlet interior, which resembles a handsome flower. | |
| **Ornamental Gourds.** Finest mixed kinds | 05 |

# SEEDS OF CLIMBING PLANTS

A—Annual P—Perennial

**ADLUMIA cirrhosa.** P. The graceful Allegheny Vine; also Mountain Fringe. Pink. Height 8 ft..... Pkt. $ 10

**AMPELOPSIS.** The well-known Virginia Creeper.

**Veitchii** (Japan Ivy). P. Height 50 ft..... 10

**ANTIGNON leptopus** (Rosa de montana). P. One of the most elegant climbers known. Native of Mexico. Rose..... 15

MINA LOBATA

**ARISTOLOCHIA elegans.** Hhp. Chocolate and purple. Height 30 ft..... 10

**Sipho** (Dutchman's Pipe). P. Very odd-looking and interesting. Yellow and brown. Height 40 ft..... 10

**AUSTRALIAN PEA VINE.** See Dolichos lignosus.

**BALLOON VINE.** Hha. Bears a pretty, inflated capsule. White and green. Height 8 ft..... 05

**BIGNONIA** (Trumpet Vine). P. Sometimes classed with Tecoma. Robust, hardy climber. Very ornamental.

**Radicans.** Orange-scarlet. Height 15 ft..... 10

**Stans** (Tecoma). Orange; distinct foliage. Height 10 ft..... 10

**Tweediana.** Bright Yellow; evergreen. Height 20 ft..... 10

**CANARYBIRD FLOWER** (Tropoeolum peregrinum). Hha. A charming annual vine with delicate foliage. Fowers yellow. Height 8 ft..... 10

**CLEMATIS** (Virgin's Bower). P. Well-known, profuse-blooming climbers. The seed requires everal months to germinate.

**Flammula.** White. Height 10 ft..... 10

**Viticella.** Purple. Height 10 ft..... 10

**Jackman's New Hybrids.** Mixed. Height 10 ft..... 25

**CLIANTHUS puniceus** (New Zealand Parrot's Bill). P. A very handsome climber. Bright scarlet. Height 6 ft..... 15

**CLITORIA ternatea.** Hhp. Blue. Height 6 ft..... 15

**COBAEA.** P. Rapid-growing climbers, with bell-shaped flowers.

**Scandens.** Purple. Height 20 ft..... 10

**Alba.** White. Height 20 ft..... 10

**Macrostemma.** Ye lowish green, tipped with violet; stamens of enormous length. Height 15 ft..... 15

**CONVOLVULUS.** A. The we l-known Morning-Glories.

**Major, Blue.** Height 10 ft..... 05

**Major Crimson.** Height 10 ft..... 05

**Major, Pink.** Height 10 ft..... 05

**Major, Striped.** Height 10 ft..... 05

**Major, White.** Height 10 ft..... 05

**Major, Mixed.** Height 10 ft..... 05

**Major, Double.** White-veined purple. Height 10 ft..... 10

**Aureus superbus.** Yellow. Very fine and rare. Height 8 ft 15

**CYPRESS VINE** (Ipomoea quamoclit). Hha. Well-known climbers, with handsome delicate foliage. Pkt.

**Scarlet.** Height 8 ft..... 05

**White.** Height 8 ft..... 05

**Mixed.** Height 8 ft..... 05

**DOLICHOS Lablab.** Hha. Mixed. Height 8 ft..... 05

**Lignosus Alba**..... 10

**Lignosus** (Australian Pea). P. Rose and purple; one of the best climbers for a hot, dry climate. Height 15 ft..... 05

**ECCREMOCARPUS scaber.** P. Orange; very valuable to cover trellises. Height 6 ft..... 10

**HUMULUS.** A beautiful climber, which may be sown in open ground in spring, attaining immense proportions in a short time.

**Japonicus** (Japanese Hop). A. Height 20 ft..... 10

**Japanese Variegated**..... 10

**Lupulus** (Common Hop)..... 10

**IMPERIAL JAPANESE MORNING GLORY.** Hha. Mixed, all colors. Very large. Height 30 ft..... 10

**IPOMOEA, Heavenly Blue.** Hha. Light Blue. Height 15 ft.. 10

**Leari** (Blue Moon-flower). P. Splendid. Height 25 ft..... 10

**Mexicana grandiflora alba** (True White Moon-flower). Hhp. Height 15 ft..... 15

**KENNEDYA bimaculata grandiflora.** P. Purple. Height 10 ft..... 15

**KUDZU VINE** (Pueraria Thunbergiana). Recently introduced from Japan. One of the most rapid-growing vines known. Will grow 50 feet in one season. The leaves are very large, making it a suitable plant for covering arbor, trellis, etc. Flowers are pea-shaped and rosy purple in color..... 10

**LATHYRUS latifolius** (Everlasting Pea). P. Mixed, rose and white. Height 6 ft..... 05

**LOASA aurantiaca** (the Chilean Nettle Plant). Hha. Has beautiful, interesting golden yellow flowers. Must be handled with gloves, as the leaves sting. Height 6 ft..... 10

CYPRESS VINE

**LONICERA Tatarica** (Tartarian Honeysuckle). P. Rose. Height 6 ft..... 10

**MANDEVILLEA suaveolens** (Chili Jasmine). P. Very fragrant. White. Height 15 ft..... 10

**MAURANDIA.** White. Hhp. Height 8 ft..... 10

**Purple.** Height 8 ft..... 10

**Fine Mixed.** Height 8 ft..... 10

**MINA lobata.** Ta. Very showy; a great favorite in this section. Red, yel ow and white. Height 15 ft..... 10

**NASTURTIUM, Tall, Chameleon.** A new variety, producing flowers of different colors on the same plant. Height 6 ft.... 10

**Dark Crimson.** Height 6 ft..... 05

**Edward Otto.** Brownish lilac. Height 6 ft..... 05

**Heinemanni.** Chocolate-color. Height 6 ft..... 05

**King Theodore.** Dark maroon, with dark leaves; extra fine Height 6 ft..... 05

## SEEDS OF CLIMBING PLANTS (Continued)

Pkt.

**NASTURTIUM Orange.** Height 6 ft..... 05
**Pearl.** Creamy white. Height 6 ft..... 05
**Regalianum.** Purplish violet. Height 6 ft..... 05
**Scarlet.** Height 6 ft..... 05
**Vesuvius.** Salmon-rose, dark-leaved; splendid. Height 6 ft., 10
**Yellow.** Height 6 ft..... 05
**Finest Mixed.** Height 6 ft..... 05
**PASSIFLORA coerulea.** P. Blue. Height 8 ft..... 10
**Edulis.** P. Mauve; edible fruit. Height 8 ft..... 10
**Rosacea** (incarnata). Tall; rose-pink..... 25
**White.** Hhp. Three-angled stem; edible. Height 8 ft..... 10
**Fine Mixed.** Height 6 to 8 ft..... 10
The above collection comprises the most beautiful and useful varieties of Passion Flowers.
**PHASEOLUS Caracalla** (the Snail Vine). Hhp. Lilac-purple and white; very beautiful and interesting. Height 8 ft.... 10
**SMILAX.** P. White; very useful for festooning, etc. Height 6 ft..... 10
**SOLLYA heterophylla** (Climbing Bluebell). Hhp. A pretty climber, with charming intense blue flowers. Height 6 ft... 15
**TACSONIA.** Hhp. Beautiful climber, resembling Passiflora in foliage and flowers, colors varying from pink to crimson Very ornamental.
**Van Volxemi.** Dazzling scarlet. Height 6 ft..... 15
**Mixed.** Height 6 ft..... 10
**THUNBERGIA alata.** Hha. Free bloomer of rapid growth; flowers of white and yellow shades, with striking black centers. Mixed, white and yellow. Height 6 ft..... 10
**TROPAEOLUM.** A. Useful climber, which may be pegged down and used for bedding purposes. May also be grown in pots for winter flowering.
**Lobbianum, Spitfire.** Vivid scarlet. Height 6 ft..... 05
**Finest Mixed.** All colors. Height 6 ft..... 05
**WISTARIA Sinensis.** P. A charming old-fashioned hardy climber, producing its pale blue flowers in large clusters in early spring. Light blue Height 50 ft..... 15

# SWEET PEAS

### Spencer New and Orchid Flowering Varieties

The character of these flowers is of healthy and vigorous growth and quite distinct from the standard sorts. They are very large, measuring from 2 to 2½ inches across with large frilled and wavy standards. Three and four of these beautiful flowers are borne on one good long stem, making them unsurpassed for vases and other decorative flower work.

Pkt.

**ASTA OHN SPENCER.** Lavender, suffused with mauve; exquisite. Per oz. 50 cts..... 10
**BLANCHE FERRY SPENCER.** A beautiful pink and white with wavy standards. Per oz. 50 cts..... 10
**CONSTANCE OLIVER.** Fine light pink on cream ground. Very wavy. Per oz. 75 cts..... 10
**COUNTESS SPENCER** (Orchid flowering hybrid). Gigantic flowers of perfect form with round open waved standards. Beautiful shell-pink, deepening towards the edges. Per oz. 15 cts..... 10
**DORA BREADMORE.** Pale buff yellow, faintly tinged with delicate pink. Per oz. 20 cts..... 10
**E. J. CASTLE.** A large flowering variety; color, rich carmine rose, shading to salmon in the standard..... 10
**ENCHANTRESS.** Rose-pink on a rich cream ground. Per oz. 50 cts..... 10
**FLORENCE MORSE SPENCER.** Blush White, edged pink, wavy standard. Per oz. 25 cts..... 10
**FRANK DOLBY.** Color lavender blue, wavy standard; the largest of the lavenders. Per oz. 20 cts..... 10

PASSION FLOWER

Pkt.

**GLADYS UNWYN.** Clear light pink. A very large flower of open form with wavy standard. Per oz. 15 cts ..... 10
**HELEN LEWIS.** In shape like the above, standard orange, wings rosy orange. Per oz. 15 cts..... 10
**HELEN PIERCE.** Mottled and veined bright blue on pure white. Per oz. 15 cts..... 10
**HENRY ECKFORD.** Intense bright orange, wings shading to deeper rose-orange color. Per oz. 20 cts..... 10
**KING EDWARD SPENCER.** Beautiful crimson scarlet. Per oz. 50 cts..... 10
**MRS. ALFRED WATKINS.** Beautiful pale pink, large size, with bold wavy standards. Per oz. 20 cts..... 10
**NORA UNWYN.** The largest pure white flowers of fine form. Per oz. 20 cts..... 10
**PRIMROSE SPENCER.** The color is a pronounced primrose or creamy yellow, with beautiful crinkled wings. Per oz. 20 cts..... 10

# Germain's Sunset Collection

## SWEET PEAS

For Description and Prices See Other Side

# SUNSET COLLECTION

## SWEET PEAS

Few flowers repay the grower so bountifully or so richly as the sweet pea. From early spring, which in California is in February, until well through the summer, this graceful, climbing annual will furnish a most gorgeous display along the dead walls, and provide a fragrant, beautiful indoor decoration. The unusual popularity of our "Sunset Collection," first offered last year, establishes it as the most successful collection on the market, and the prospective demand for this season has been provided for with a most carefully selected stock.

The colors in this group are each so distinct that the seven varieties provide as varied an assortment as anyone could wish, and their giant size makes them preeminently attractive.

The "Sunset Collection" is put up with each color separate package in a strong wrapper envelope, and a liberal quantity of seed is offered at the attractive price of 50c.

"SUNSET," Lavender.—A beautiful shade of dainty lavender, open and wavy.

"SUNSET," Orange Rose.—Large wavy wings of the Spencer type.

"SUNSET," A grand and beautiful flower of a soft pink shade.

"SUNSET," Primrose Buff.—Large wavy flowers of a deep cream or primrose shade.

"SUNSET," Purple Striped on White.—Mottled and striped on white ground.

"SUNSET," Scarlet Brilliant.—A most gorgeous flower with wavy standards and drooping wings. The choicest of all the scarlets.

"SUNSET," White.—An exquisite pure white, the finest of the Spencer forms, large open waved flowers of lasting substance.

Sweet Peas should be sown about three inches deep and require an abundance of water—but do not sprinkle the vine. Keep the flowers picked and do not allow them to run to seed or they will soon stop flowering.

Price for the collection, 50c.

For other varieties see our general list.

A HEDGE OF SWEET PEAS, SUNSET COLLECTION

## SWEET PEAS (Continued)

| | Pkt. |
|---|---|
| **QUEEN ALEXANDRA.** The finest bright scarlet large flower. Per oz. 15 cts | 10 |
| **WHITE SPENCER.** Best pure white wavy standard | 10 |
| **SUNSET COLLECTION.** Seven Orchid flowering varieties | 50 |
| **NEW AND ORCHID.** Flowering varieties, mixed. Oz. 15 cts | 10 |

## CHRISTMAS VARIETIES

| | |
|---|---|
| **BLANCHE FERRY.** Extra early. Pink and white. Per oz. 10 cts | 05 |
| **CHRISTMAS LAVENDER.** Per oz. 30 cts | 10 |
| **CHRISTMAS PINK.** Per oz. 25 cts | 10 |
| **CHRISTMAS WHITE.** Per oz. 25 cts | 10 |
| **EARLIEST OF ALL SELECTED.** Pink and white. Per oz. 15 cts | 05 |
| **MONT BLANC.** Pure white. Very large. Per oz. 10 cts | 05 |

## LEADING STANDARD SORTS

**AMERICA.** White ground, striped with blood-red.
**APPLE BLOSSOM.** White suffused with rosy carmine.
**AURORA.** White, striped and flaked with orange-salmon very large.
**BLANCHE BURPEE.** Pure white; large.
**BLANCHE FERRY.** Pink and white.
**COUNTESS OF CADOGAN.** The first opened blossoms have purple standards, which turn to a clear bright blue.
**COUNTESS OF RADNOR, IMPROVED** (New Countess). Pure light lavender; very large.
**DOROTHY ECKFORD.** The new white. One of the largest and purest whites. The best in existence.
**DOROTHY TENNANT.** Deep rosy mauve.
**EMILY ECKFORD.** Standard light reddish mauve, wings porcelain blue.
**EMILY HENDERSON.** Pure White; splendid.
**GORGEOUS.** Bright orange-salmon, wings orange red.
**GRAY FRIAR.** Beautiful watered purple on white ground.
**JANET SCOTT.** Bright pink. Wings rose pink.
**HON. MRS. E. KENYON.** A fine large clear primrose-yellow.
**HON. F. BOUVERIE.** Standard coral pink wings; flesh pink.
**JUANITA.** White striped lavender and mauve.
**KING EDWARD VII.** Bright crimson; very large flowers. Best red.
**LADY GRISEL HAMILTON.** Delicate silvery lavender.
**LOTTIE ECKFORD.** White, suffused and edged with lavender.
**LOTTIE HUTCHINS.** Penciled and clouded pink on straw-yellow.
**LOVELY.** Shell-pink; extra large; very fine.
**MAID OF HONOR.** White and lavender, edged blue.
**MISS WILLMOTT.** Bright orange-pink veined with a deeper tint.
**MODESTY.** A very soft and delicate pale pink.
**NAVY BLUE.** Deep blue; extra fine.
**OTHELLO.** Deep maroon; very large and of the finest type.
**PRIMA DONNA.** Soft rose-pink; extra fine.
**RAMONA.** White striped and splashed with delicate pink.
**ROYAL ROSE.** Deep rose, shaded light pink.
**SADIE BURPEE** (black-seeded). White, blush tinge when young; large.
**SALOPIAN.** Deep crimson-red; extra large.
**SENSATION.** White with flesh tinge.
**STELLA MORSE.** Primrose, clouded rosy apricot.

**The above varieties, separate colors, pkt. 5 cts., doz. pkts 50 cts., oz. 10 cts., ¼ lb. 20 cts., lb. 60 cts. The whole collection of 35 varieties, 1 pkt. of each, postage paid for $1.25.**

**CALIFORNIA LARGE-FLOWERING MIXED.** From 20 named varieties. Pkt. 5 cts., oz. 10 cts., ¼ lb. 20 cts., lb. 60 cts.
**GERMAIN'S SPECIAL LIGHT MIXTURE.** Including only light and bright colors. Same price as above.
**DOUBLE MIXED.** A new class of Sweet Peas. Pkt. 5 cts., oz. 10 cts., lb. 75 cts.

ORCHID SWEET PEAS

## CUPID, OR DWARF SWEET PEAS

The Cupid varieties are very showy and splendid for bedding. Height 6 inches. Plant the seed 6 inches apart.

**ALICE ECKFORD.** Standard creamy white, wings white, flushed pink.
**BEAUTY.** Standard rose, shading to white, wings rosy carmine.
**BOREATTON.** Rich deep maroon.
**COUNTESS OF RADNOR.** Delicate lavender; large, extra fine.

SWEET PEAS—WHITE SPENCER

**FIREFLY.** Dazzling scarlet; free bloomer.
**PINK.** Standard bright rose-pink, wings white or light pink.
**PRIMROSE.** Pale primrose or creamy white.
**WHITE.** Pure white; very fine.

**The above varieties, mixed or separate, pkt. 5 cts., oz. 15 cts. The collection of 8 varieties, 1 pkt. of each, postpaid for 35 cts.**

# ORNAMENTAL GRASSES

Most of these, if cut before they are quite ripe, will be useful in winter bouquets or with everlasting flowers.

A, Annual. P, Perennial. Sow in boxes in February or March; when large enough, transplant.

| | Pkt. |
|---|---|
| **AGROSTIS nebulosa.** A. Very graceful and fine for vases or bouquets. Height 1 ft | 10 |
| **Pulchella.** A. Very graceful and fine for vases and bouquets. Height 1 ft | 10 |
| **AVENA sterilis** (Animated Oats). A. Singular and curious. Height 3 ft | 05 |
| **BRIZA maxima.** A. Large. Height 1½ ft | 05 |
| **Gracilis** (Quaking Grass). A. Slender; fine for bouquets. Height 1 ft | 05 |

## ORNAMENTAL GRASSES (Continued)

| | Pkt. |
|---|---|
| **COIX lacryma.** Job's Tears | 05 |
| **ERAGROSTIS elegans** (Love Grass). A. Has beautiful dancing spikelets; good for bouquets. Height 1 ft | 05 |
| **EULALIA Japonica** (Japan Plume Grass). P. Very effective in groups. Height 6 ft | 10 |
| **FESTUCA glauca.** P. Very neat and compact; fine for edgings to ribbon beds and borders. Height ½ ft | 10 |
| **Procumbens.** P. Very neat and compact; fine for edgings to ribbon beds and borders. Height ¼ ft | 10 |
| **ISOLEPIS gracillis.** P. Very pretty rush-like grass for hanging baskets and pot culture. Height 1 ft | 10 |
| **LAGURUS ovatus** (Hare's Tail Grass). A. Fine for bouquets. Height 2 ft | 05 |
| **LASIAGROSTIS argentea.** P. Very graceful and fine for bouquets. Height 3 ft | 10 |
| **STIPA pennata** (Feather Grass). P. Universally admired in bouquets. Height 2 ft | 10 |
| **TRICHOLAENA rosea.** P. Very pretty, with rose-colored panicles. Height 3 ft | 10 |
| **UNIOLA latifolia** (Sea Oats). P. Very ornamental. Height 4 ft | 10 |
| **ZEA Japonica fol. variegata** (Striped Japanese Maize). Hha. Very ornamental. Height 4 ft | 05 |

# PERENNIALS

| | Pkt. |
|---|---|
| **ALYSSUM saxatile.** B. Fine for borders or rock-work. Beautiful yellow. Height ¾ ft | 05 |
| **ANCHUSA Capensis** (Cape Alkanet). B. Azure-blue, free-blooming biennial. Height 1½ ft | 05 |
| **ANEMONE coronaria** ( Windflower). Beautiful, early spring-flowering plants. Mixed. Height ½ ft | 10 |
| **ANTIRRHINUM** (Snapdragon). B. Hardy perennials, flowering the first year, unsurpassed for borders. | |
| **Majus.** Tall, mixed. Height 2 ft | 05 |
| **Tall White.** Height 2 ft | 05 |
| **Tall Yellow.** Height 2 ft | 05 |
| **Tall Firefly.** Brilliant scarlet. Height 2 ft | 05 |
| **Dwarf, Mixed.** Height 1 ft | 05 |
| **Victoria.** Pure white. Height 2 ft | 10 |
| **Tom Thumb, Mixed.** Height ¾ ft | 05 |
| **AQUILEGIA** (Columbine). B. Handsome, hardy perennials, indispensable as decorative border plants. | |
| **Chrysantha.** Yellow. Height 2 ft | 10 |
| **Double Mixed Hybrids.** Very fine. Height 2 ft | 10 |
| **Single Mixed.** Height 2 ft | 05 |
| **Coerulea** (Colorado State Flower) | 15 |
| **ARABIS alpina** (Rock Cress). Useful for rock-work. White. Height ½ ft | 05 |
| **ARMERIA** (Thrift, or Sea Pink). A very hardy plant; fine for edging | 10 |
| **ASPARAGUS Sprengeri.** A fine ornamental plant for hanging baskets | 10 |
| **Plumosus.** A fine pot-plant. 100 seeds 85 cts | 10 |
| **ASPERULA odorata** (Woodruff). White; very fragrant. Height ½ ft | 10 |
| **ASTER** (Michaelmas Daisy). Perennial varieties, finest mixed. Height 3 ft | 10 |
| **AURICULA.** Finest English hybrids; from the finest collection. Fine deep colors, variously margined. Good for pot culture. Height ½ ft | 25 |
| **BEGONIA. T.** Tuberous-rooted, single, splendid mixed. Height 1½ ft | 50 |
| **Semperflorens.** Finest of the more hardy bedding Begonias | 25 |
| **BELLIS.** The popular Double English Daisy. Very useful for edgings. | |
| **Perennis fl. pl.** Mixed double; fine. Height ¼ ft | 10 |
| **Longfellow.** Large, double rose. Height ¼ ft | 10 |
| **Quilled.** Double mixed, fine. Height ¼ ft | 15 |
| **Snowball.** Double white. Height ¼ ft | 10 |
| **Double Red.** Height ¼ ft | 10 |

LEUCANTHEMUM HYBRIDUM (SHASTA DAISY)

## PERENNIALS (Continued)

Pkt.

**CACTUS.** Saved from the best and most distinct species. Finest mixed. Height ½ to 4 ft. ..... 15

**CAMPANULA** (Bellflower). Hardy plant; well suited for mixed borders.

**Carpatica.** Blue. Height ½ ft. ..... 05

**Pyramidalis.** Blue. Height 3 ft. ..... 05

**(See also Canterbury Bells.)**

**CANNA.** Handsome plant for lawn decorations and for backgrounds. Soak seed in tepid water twenty-four hours before sowing.

**New French Hybrids.** Mixed. Height 4 ft. ..... 10

**CANTERBURY BELLS.** B. Very handsome border perennials of great utility, and deservedly popular favorites. They are called "Hose in Hose" or "Cup and Saucer" Canterbury Bells.

**Single.** Blue, white, rose and mixed. Height 2 ft. ..... 05

**Double.** Blue, white, rose and mixed. Height 2 ft. ..... 10

**Calycanthema Mixed.** Height 2 ft. ..... 10

**CARNATION.** Our collection comprises the most richly scented and beautifully marked varieties.

**Finest German Mixed.** Height 1½ ft. ..... 25

**Redondo Mixed.** Height 1½ ft. ..... 15

**Perpetual, or Tree.** Very fine mixed. Height 2 ft. ..... 25

**Perpetual,** or Tree. Salmon. Height 2 ft. ..... 25

**Perpetual, or Tree.** Scarlet. Height 2 ft. ..... 25

**Perpetual, or Tree.** Yellow. Height 2 ft. ..... 25

**Hermine.** Pure white; extra fine. Height 2 ft. ..... 25

**Grenadin.** Early dwarf, red. Height ½ ft. ..... 10

**Marguerite Mixed.** Will commence flowering within four months from the time of coming up. Height 1½ ft. ..... 10

**Marguerite, Snowflake.** Pure white. Height 1½ ft. ..... 10

**CENTAUREA** (Dusty Miller). Fine plants for ribbon beds or borders.

**Candidissima.** White foliage. Height 1 ft. ..... 10

**Gymnocarpa.** Height 1 ft. ..... 10

**CERASTIUM tomentosum** (Jerusalem Star). White leaves; trailer; useful for edging and rock-work ..... 15

**CHRYSANTHEMUM frutescens** (Paris Daisy or Marguerite). B. White, yellow eye. Height 2 ft. ..... 10

**Leucanthemum hybrid** (Shasta Daisy; see cut). White, yellow center; flowers four inches in diameter; valuable for cutting. Height 2 ft. ..... 10

**Indicum** (Chinese). Mixed. Height 3 ft. ..... 10

**Nanum** (Pompone). Mixed. Height 2 ft. ..... 10

**Japonicum** (Japanese). Mixed. Height 3 ft. ..... 10

The last three kinds are the Chinese and Japanese varieties, so extensively grown and used during the fall months.

**CINERARIA maritima candidissima.** Silvery foliage, very useful for ribbon beds and borders. Height 1 ft. ..... 10

**CLIANTHUS Dampieri** (the Australian Glory Pea). A magnificent flower, scarlet, with black center. Water sparingly after sowing. Height 4 ft. ..... 15

**COLEUS.** T. Ornamental decorative-leaved plants; fine for house decoration or subtropical gardening.

**New large-leaved.** Very fine. Height 2 ft. ..... 25

**Finest Mixed.** Height 2 ft. ..... 15

**CONVOLVULUS Mauritanicus.** Hardy perennial for hanging-baskets with flowers of bright metallic luster. Lavender, trailer ..... 10

**COREOPSIS lanceolata** (See page 46). B. A beautiful plant, with lance-shaped leaves and showy bright flowers 2 or 3 inches in diameter. Yellow. Height 2 ft. ..... 10

**CUPHEA platycentra** (the Cigar Plant). Pretty tubular flowers. Scarlet and black. Height 2 ft. ..... 10

**CYCLAMEN.** Hh. Charming winter-flowering house plants. Our seed is the finest strain.

**Persicum.** Bulb. Fine mixed, white and pink. Height ½ ft., 25

**Persicum giganteum.** Bulb. Fine mixed, white and pink. Height ¾ ft. ..... 25

**DAISY.** See Bellis.

**DAISY, Shasta.** See Chrysanthemum.

## PERENNIALS (Continued)

**DAHLIA.** Hh. Large-flowered, double, best quality mixed. Height 5 ft ..... Pkt 15
**Cactus.** Mixed colors. Height 5 ft ..... 15
**Pompone.** Small bouquet, mixed. Height 4 ft ..... 15
**Single, Mixed.** Height 5 ft ..... 10

The Cactus and Single Dahlias are becoming very popular.

**DELPHINIUM cardinale** (Scarlet Larkspur). Bright scarlet. Height 3 to 5 ft ..... 10
**Burbank's Hybrids.** Mixed blues ..... 25
**Elatum** (Bee Larkspur). Mixed. Height 3 ft ..... 05
**Formosum.** Bright blue. Height 4 ft ..... 10
**Hybridum.** Double, extra choice mixed. Height 3 ft ..... 15

Perennial Larkspur. Fine border plants of brilliant colors.

**DIANTHUS Chinensis** (China Pinks). B. Very free-flowering and showy.
**Double Mixed.** Height 1 ft ..... 10
**Heddewigii,** Fine Mixed. Height 1 ft ..... 10
**Heddewigii,** Crimson Bell. Dark crimson. Height 1 ft ..... 10
**Heddewigii, Queen of Holland.** White. Height 1 ft ..... 10
**Heddewigii nobilis** (Royal Pinks). Flowers 3 to 4 inches in diameter, petals frilled and fringed; colors vary from bright blood-red to carmine, pink and white. Height 1 ft ..... 10
**Diadematus** (Double Diadem Pink). Height 1 ft ..... 10
**Diadematus albus** (White Diadem Pink). Height 1 ft ..... 10
**Laciniatus, Single Mixed.** Height 1 ft ..... 10
**Laciniatus, Double Mixed.** Height 1 ft ..... 10
**Imperialis** (Double Imperial Pink). Mixed. Height 1 ft ..... 10
**Hybridus.** Double mixed. Height 1 ft ..... 10

**DIGITALIS gloxinoides** (Foxglove). Bears fine spikes of variously spotted and blotched flowers for borders and shrubbery. Fine mixed. Height 3 ft ..... 05

**DODECATHEON Meadia** (American Cowslip). Lilac. Fine for rock-work, etc. Height ½ ft ..... 10

**ERPETION reniforme** (Viola hederacea; Australian Pansy). A pretty tufted plant with kidney-shaped leaves and blue flowers; rare and curious. Height ½ ft ..... 25

**ERYTHRINA Crista-Galli** (Coral Tree). Dark red. A handsome decorative plant for shrubbery, etc. Height 6 ft ..... 15

**EVENING PRIMROSE.** Yellow. Very showy for mixed borders and shrubbery, etc. Height 3 ft ..... 05

**FERNS.** All species mixed; saved from the choicest varieties. Height ½ to 2 ft ..... 15

**FORGET-ME-NOT.** See Myosotis.

**FRAXINELLA** (Burning Bush). Red; handsome. The seed is slow to germinate. Height 2 ft ..... 10

**FREESIA refracta alba.** B. Well-known bulbous plants, blooming in one year from seed. White. Height ¾ ft ..... 10

**FRENCH HONEYSUCKLE** (Hedysarum coronarum). Red and white mixed. Hardy, profuse-blooming. Succeeds well near the seaside. Not to be confounded with the climbing Honey-suckle, as it is quite a distinct species. Height 3 ft ..... 05

**FUCHSIA.** Hh. Favorite flowering shrubs. Seeds from the finest named varieties.
**Hybrida.** Single, finest mixed. Height 3 ft ..... 25
**Double.** Finest mixed. Height 3 ft ..... 25

**GAILLARDIA** (Blanket Flower). B. Very showy border plant.
**Picta.** Red and yellow. Height 1½ ft ..... 05
**Lorenziana.** Double, mixed colors. Height 1½ ft ..... 05
**Grandiflora.** Splendid mixed. Height 1½ ft ..... 10
**Grandiflora maxima.** Golden yellow. Height 2 ft ..... 10

**GENTIANA acaulis.** An alpine plant of great beauty; fine for borders and rock-work; intense blue. Height ¼ ft ..... 10

**GERANIUM.** B. Seed saved from best varieties of all kinds.
**Apple-scented.** Very fragrant. Height 1½ ft ..... 15
**Zonale, Single.** Finest mixed. Height 5 to 6 ft ..... 10
**Zonale, Double.** Finest mixed. Height 3 ft ..... 25
**Ivy-leaved.** Trailer. Finest mixed ..... 15
**Tricolor.** Gold and bronze leaves. Height 2 ft ..... 25
**See Pelargonium for show varieties.**

**GERBERA JAMESONI** (Transvaal Daisy). The Scarlet Daisy of South Africa ..... 50

**GEUM coccineum** (Scarlet Avens). A Chilian plant of great beauty; very useful in mixed borders. Scarlet. Height 2 ft., Pkt. 10

**GLOXINIA hybrida.** T. A beautiful greenhouse perennial bulb. Seed saved from the finest erect and drooping varieties. Finest mixed. Height 1 ft ..... 25

**GOLDENROD.** See Solidago.

**GYPSOPHILA paniculata.** B. Very graceful, flowering in panicles, and excellent for cut-flowers. White. Height 1½ ft. See also Annuals ..... 05

COREOPSIS LANCEOLATA

**HELIOTROPIUM** (Cherry Pie). B. Deliciously fragrant, also fine for pot culture Finest mixed. Height 6 ft ..... 10

**HEUCHERA.** B. Allied to the Saxifragas; very graceful; valuable for cut-flowers.
**Sanguinea.** Crimson. Height 1 ft ..... 15
**Alba.** White. Height 1 ft ..... 15

## PERENNIALS (Continued)

Pkt.

**HIBISCUS.** Well-known showy perennial shrubs with brilliant flowers.
- **Coccineus.** Scarlet. Height 5 ft. ..... 10
- **Roseus grandiflorus.** Pink. Height 4 ft. ..... 10

**HOLLYHOCK.** (See cut.) Favorite hardy perennials. Will flower the first season if sown early.
- **German Finest Double Mixed.** Height 5 ft. ..... 10
- **German Finest Double Yellow.** Height 5 ft. ..... 10
- **German Finest Double White.** Height 5 ft. ..... 10
- **German Finest Double Crimson.** Height 5 ft. ..... 10
- **German Finest Double Pink.** Height 5 ft. ..... 10
- **Chater's Superb Double Mixed English.** Height 5 ft. ..... 10
- **Allegheny.** Semi-double, fringed, mixed. Height 5 ft. ..... 10

**HONESTY.** B. Interesting in a dried state, the membranous lining of the seed-pod making a handsome ornament for winter bouquets. Purple. A biennial. Height 1½ ft. ..... 10

**HUNNEMANNIA fumariaefolia.** A showy plant belonging to the Poppy family. Yellow. Height 2 ft. ..... 10

**HYACINTHUS candicans.** A bulbous plant, throwing up a spike bearing 20 to 30 yucca-like flowers; pure white and fragrant. Height 3 ft. ..... 10

**IPOMOPSIS** (Texas Plumes). Showy scarlet and gold pyramidal blossoms and feathery foliage. Fine mixed. Biennial. Height 3 ft. ..... 10

**LANTANA.** B. White, rose and yellow particolored fragrant flowers, like heliotrope in form. Finest mixed. Height 4 ft. 10

**LAVENDER.** Blue; a hardy shrub, well-known and esteemed for its delicious fragrance. Height 3 ft. ..... 05

**LINARIA Cymbalaria** (Kenilworth Ivy). White and purple; very pretty for rock and hanging-baskets; trailer ..... 10

**LOBELIA cardinalis** (Cardinal Flower). A handsome border plant with bronze foliage and brilliant scarlet flowers. Height 2 ft. ..... 10

GAILLARDIA GRANDIFLORA

HOLLYHOCK

Pkt.

**LUPINUS.** B. Mixed, all colors. Height 1 to 4 ft. ..... 05

**LYCHNIS** (Jerusalem Cross). B. Favorite hardy plants for borders and shrubbery.
- **Chalcedonica.** Bright scarlet. Height 2 ft. ..... 05
- **Haageana Hybrida.** Finest mixed. Height 2 ft. ..... 10

**MARVEL of Peru** (Four O'clocks). This well-known plant has few rivals for beauty, expanding in the afternoons and continuing open all night. Finest mixed. Height 2 ft. ..... 05

**MATRICARIA eximia** (Feverfew). B. Double white, very handsome, showy flowers continuing a long time in bloom. Height 2 ft. ..... 05

**MIMULUS.** Brilliant perennials, flowering for the first season if sown early, also suitable for pot-culture.
- **Cardinalis** (Scarlet Monkey Flower). Dark red. Height 1½ ft. ..... 10
- **Tigrinus grandiflorus.** Finest mixed, spotted and tigered varieties. Height 1½ ft. ..... 10

**MUSK Plant** (Mimulus moschatus). Yellow; a universal favorite. Height ½ ft. ..... 10

**MYOSOTIS** (Forget-me-not) B. Very beautiful and much prized for sprngfloweos.
- **Azorica.** Dark blue. Height ½ft. ..... 10
- **Alpestris.** Lightblue. Height ½ ft. ..... 10
- **Dissitiflora.** Briliant blue, earliest flowering. Height ½ ft.. 15
- **Palutris semperflorens.** Bright blue. Height 1 ft. ..... 10

**NIERMEBERGIA gracilis.** Silvery lavender. Excellent for hanging-basketsf edgings, etc. Height 1 ft. ..... 10

**OENOTHERA Lamarckiana.** A grand Evening Primrose, with lwng spikes of yellow flowers. Yellow Height 4 ft. ..... 05

**OXALIS** (Shamrock, or Wood Sorrel). Delightful little plants for edging, hanging-baskets and rock-work.
- **Rosea.** Pink. Height ½ ft. ..... 10
- **Tropaeoloides.** Yellow. Height ¼ ft. ..... 10

PANSY—GERMAIN'S GIANT PRIZE MIXTURE

## PERENNIALS (Continued)

### Pansy or Heartsease

Pansies should be carefully cultivated, and will amply repay liberal treatment. All the following strains are carefully saved from the choicest flowers. Pkt.

**BUGNOT'S SUPERB BLOTCHED.** Extra fine. Height ½ ft., 50
**CASSIER'S.** Very large-flowered, finest mixed. Height ½ ft... 25
**ENGLISH MIXED.** Extra select, very large and velvety. Height ½ ft... 15
**GIANT TRIMARDEAU.** Mixed, very large and of vigorous growth. Height ¾ ft... 25
**GIANT TRIMARDEAU PARISIAN LARGE STAINED.** New class, large-flowered. Height ¾ ft... 25
**ODIER'S FIVE-BLOTCHED.** Very fine, with a black blotch on each petal. Height ½ ft... 25
**SCOTCH PRIZE.** From extra selected prize flowers. Height ½ ft... 50
**GERMAIN'S BEST PRIZE MIXTURE** of all the best strains. Height ½ ft... 25
**COMMON BEDDING MIXTURE**... 05
**AZURE BLUE.** Height ½ ft... 10
**EMPEROR WILLIAM.** Ultramarine blue. Height ½ ft... 10
**FAUST, OR KING OF THE BLACKS.** Coal-black. Height ½ ft... 10
**GOLDEN YELLOW.** Pure. Height ½ ft... 10
**GOLDEN YELLOW, with dark center,** Height ½ ft... 10
**GOLD-MARGINED.** Brown with gold border. Height ½ ft... 10
**LORD BEACONSFIELD.** Large, purple-violet shading off to lavender. Height ½ ft... 10
**MAHOGANY-COLORED.** Height ½ ft... 10
**MASTERPIECE.** New Giant curled, or ruffled Pansy. Highest perfection in the class... 25
**PEACOCK.** Royal purple, shot with peacock-blue. Height ½ ft... 15
**PRESIDENT CARNOT.** White, violet blotches. Height ½ ft... 15
**SNOWFLAKE.** Pure white. Height ½ ft... 10
**STRIPED AND VARIEGATED VARIETIES.** Height ½ ft... 10
**VICTORIA.** Blood-red. Height ½ ft... 15
**VIOLET.** White-margined. Height ½ ft... 10
**WHITE, with Black Center.** Height ½ ft... 10
**FINE MIXED.** Height ½ ft... 10

**PELARGONIUM** (Lady Washington Geranium). B. Favorite bedding and greenhouse plants, with brilliant flowers. Seeds saved only from the finest sorts. Fancy, best and richest colors mixed. Height 3 ft... 25
**Large-flowered.** Richest colors, mixed. Height 3 ft... 15

**PENTSTEMON.** B. Fine herbaceous perennials, very showy in mixed borders.
**Hartwegi grandiflorus.** New large-flowered mixed. Height 2 ft... 15
**Finest Mixed.** Height 2 ft... 05

**PETUNIA.** Very ornamental, free-flowering plants, for bedding in masses or borders.
**Single Inimitable.** Blotched and striped, very handsome. Height 1 ft... 10
**Single Giants of California.** Very large ruffled and fringed, extra fine mixed. Height 1 ft... 25
**Single Fringed.** Large-flowered, superb mixed. Height 1 ft. 25
**Single White.** Height 1 ft... 10
**Single, Good Mixed.** Height 1 ft... 10
**Double, Fringed.** Superb mixed. Height 1 ft... 50
**Double, Extra-Fine Mixed.** Height 1 ft... 25

**PHLOX: Perennial.** B. A very showy, handsome plant. Finest mixed. Height 2 ft... 10

**PHYSALIS Francheti** (Chinese Lantern Plant). Very ornamental; produces an abundance of large, white flowers, followed by inflated husks, which are first green, afterwzrd changing to a yellowish color, and then to orange-scarlet; in shape like a Chinese lantern. White. Height 2 ft... 15

**PICOTEE PINK.** B. Splendid hardy Pinks, beautifully marked on edge of petals. Finest mixed. Height 1½ ft... 15

## PERENNIALS (Continued)

PETUNIA, DOUBLE

**PYRETHRUM Roseum hybridum.** Single. Finest mixed. Height 2 ft. ..... Pkt. 10

**Parthenifolium aureum** (Gold Feather). Height ½ ft. ..... 10

**Parthenifolium aureum selaginoides.** Yellow fern-like foliage, very fine. Height ½ ft. ..... Pkt. 10

The second variety is grown for its flowers, the last two are well-known edging plants.

**ROMNEYA Coulteri** (Matilija Poppy). A noble plant. White, with yellow center. Height 6 to 10 ft. ..... 10

**ROSE CAMPION** (Agro-stemma coronaria). Crimson flowers; silvery foliage. Height 1½ ft. ..... 05

**ROCKET,** Sweet (Dame's Violet). Valuable for borders, free-blooming and sweet-scented. Fine mixed. Height 1½ ft. ... 05

**PINK, Florist's** (Pheasant's Eye Pink). B. Very fine, usually marked with a ring in center, double and fragrant. From fine show varieties, mixed. Height 1 ft. ..... Pkt. 10

**POINSETTIA pulcherrima** (Christmas Flower) ..... 25

**POLEMONIUM coeruleum** (Jacob's Ladder). An old-fashioned English perennial, used in mixed borders. Blue. Height 2½ ft. ..... 10

**POLYANTHUS.** Charming early-flowering plants, beautifully laced and edged.

**Finest Gold-laced Varieties.** Ht. ½ ft. ..... 25

**Choice Mixed.** Height ½ ft. ..... 10

**POPPY.** Very showy plants for mixed borders. The Iceland Poppies will bloom the first year from seed if sown early.

For other varieties, see list of annuals.

**Perennial Hybrid Mixed.** Height 4 ft. ..... 25

**Papaver orientale, Dark Red.** Height 4 ft. ..... 10

**Papaver orientale, Mixed.** Height 4 ft. ..... 10

**Papaver bracteatum.** Scarlet. Height 3 ft. ..... 10

**Iceland** (Papaver nudicaule.) Yellow. Height 1¼ ft. ..... 10

**Iceland.** Orange. Height 1¼ ft. ..... 10

**Iceland,** Mixed. Height 1¼ ft. ..... 10

**PRIMROSE.** An old-fashioned garden-favorite. True English yellow. Height ½ ft. ..... 15

**PRIMULA Sinensis.** T. Fine pot-plants for winter and spring flowering; for indoor culture.

**Fringed White.** Height ½ ft. ..... 25

**Fringed Red.** Height ½ ft. ..... 25

**Finest Mixed Fringed.** Height ½ ft. ..... 25

**Obconica.** T. Light mauve. Height ½ ft. ..... 15

**PYRETHRUM Cinerariaefolium.** The plant from which is made the Persian insect powder in Europe, or "Buhach" as made in California 15

SINGLE FRINGED PETUNIA

**RUDBECKIA bicolor superba semiplena.** Semi-double-flowering. Fine for cutting. Height 2 ft. ..... Pkt. 10

**SALVIA** (Flowering Sage). B. Brilliant-flowering plants for borders, backgrounds and centers of beds.

**Bon-fire Dwarf.** Brilliant scarlet flowers. Height 2½ ft. ..... 10

**Patens.** Hh. Sky-blue. Height 2 ft. ..... 15

**Splendens.** Hh. Dazzling scarlet. Height 3 ft. ..... 10

**SANTOLINA Chamacyparissus** (Lavender Cotton). A silvery-leaved plant, useful for edging. Height 2 ft. ..... 10

**SAXIFRAGA** (Mother of Thousands or London Pride). Charming little trailing plants for hanging baskets, vases or rock work. Fine mixed. Height ½ ft. 15

**SENSITIVE PLANT** (Mimosa pudica). An interesting plant with the peculiar of closing its leaves when touched. Pink. Height 2 ft. ..... 05

**SOLIDAGO Canadensis** (Goldenrod). Height 2 to 3 ft ..... 10

**SOLANUM, Weatherill's Hybrids.** Hh. Decorative species for pot culture, bearing orange-colored berries. Mixed. Height 1 ft. ..... 10

**STATICE latifolia** (Sea Lavender). A favorite hardy perennial with bright blue flowers, very useful for bouquets. Height 1 ft. ..... 10

PERENNIAL HYBRID POPPY, MIXED

## PERENNIALS (Continued)

Pkt.

**STEVIA serrata.** B. A valuable plant for florists, producing large heads of small, white fragrant flowers; very graceful and excellent for cutting purposes. White. Height 1½ ft. 10

**STOCKS** (Biennial and Perennial). B. (For Ten-weeks Stocks, see Annuals). All these Stocks are very double, fragrant and handsome. The intermediate varieties are biennials. The last three species are splendid decorative border plants. The true "Gilliflower."

**Beauty of Nice.** Exquisite flesh-pink..... 15

**Intermediate East Lothian.** Crimson purple and white. Height 2 ft..... 15

**Finest Mixed.** Height 2 ft..... 10

**Brompton.** Flesh-color, bright rose, brick red, crimson, light blue, violet, white and finest mixed. Height 2 ft..... 15

**Cocardeau, or Giant Cape Winter.** Finest mixed. Ht. 2½ft. 15

**Emperor.** Very fine mixed. Height 2½ ft..... 15

**SWEET WILLIAM.** B. Well-known and very showy plants for borders; flowering early in the spring.

**Hunt's Auricula-flowered Perfection.** Single mixed. Height 1½ ft..... 10

**Single.** Pure White. Height 1½ ft..... 10

**Single.** Finest mixed. Height 1½ ft..... 05

**Double.** Finest mixed. Height 1½ ft..... 10

**VERBENA.** B. A well-known favorite bedding plant. The Lemon Verbena is a shrubbery perennial in our mild climate.

**Auricula-flowered Mixed.** With white centers; trailer..... 10

**Purple.** Trailer..... 10

**Italian Striped.** Finely striped and mottled; trailer..... 10

**Large White.** Trailer..... 10

**Scarlet.** Trailer..... 10

**Mammoth Mixed.** Trailer..... 15

**Pink.** Trailer..... 10

**Fine Mixed.** Trailer..... 05

**Lemon-scented** (Aloysia citriodora). Lavender. Ht. 8 to 10 ft. 15

**VINCA rosea** (Madagascar Periwinkle). Red. Height 2 ft..... 10

**Alba.** White, with red eye. Height 2 ft..... 10

**Mixed.** Height 2 ft..... 10

**VIOLA.** B. With the exception of Viola cornuta, these favorites are too well known to need comment. V. cornuta resembles the Pansies, and is admirably adapted for bedding purposes. Mixed. Height ½ ft..... 10

**Odorata** (Sweet Violet). Height ¼ ft..... 10

**Odorata, White.** Height ¼ ft..... 10

**Prince of Wales.** Very large. Height ¼ ft..... 10

**WALLFLOWER.** B. Well-known fragrant plant. Single mixed. Height 2 ft..... 05

**Blood-red.** Height 1 ft..... 10

**Belvoir Castle.** Dwarf yellow. Height ¾ ft..... 10

**Harbinger.** Rich blood-red. Height 1 ft..... 10

**Double German Mixed.** Height 2 ft..... 15

**WIGANDIA Caracasana.** Plants remarkable for the large size of their leaves; much prized as single specimens for lawns and sub-tropical gardening. Violet. Height 8 to 10 ft..... 15

## CALIFORNIA NATIVE FLOWER SEEDS

**BRODIAEA capitata** (Cluster Lily). Pretty, bulbous; flowers early in spring; deep violet to white. Height ¾ to 1 ft..... 10

**DELPHINIUM cardinale** (Scarlet Larkspur). Magnificent perennial; flowers intense bright scarlet. Height 3 to 5 ft... 10

**Parryi** (Blue Larkspur). Beautiful annual; flowers bright blue. Height 2 ft..... 15

**DICENTRA chrysantha** (California Bleeding Heart). Perennial; orange-yellow. Height 3 to 5 ft..... 15

**DODECATHEON Clevelandi** (Shooting Star). Perennial; purple, bordered with yellow. Height ¾ ft..... 15

**EMMENANTHE penduliflora** (Whispering Bells). Bushy annual; small, light yellow, bell-shaped flowers. Height 1 to 1½ ft..... 15

**ESCHSCHOLTZIA Californica** (California Poppy). Annual; one of the most beautiful of our native flowers; a favorite. Height 1 to 1½ ft..... 05

CALIFORNIA POPPY

Pkt.

**LATHYRUS splendens** (Pride of California). Magnificent perennial climbing pea; produces abundant. large, rich crimson flowers in clusters of 10 or more. Height 6 to 10 ft. 15

**LAYIA calliglossa** (Tidy Tips). A pretty annual; flowers yellow tipped with white; petals daisy-like, but broader, and with serrate tips. Height 6 to 12 in..... 10

**Glandulosa** (White Daisy). Annual flowers pure white and daisy-like, but petals broader and with serrate tips. Height 6 to 12 in..... 10

**LEPTOSYNE Stillmani.** A pretty annual, with compact, bushy, thin-cut leaves; flowers golden yellow, 1½ in. in diameter. Height 1 ft..... 15

**NEMOPHILA insignis** (Baby Blue Eyes). Annual; sky-blue flowers. Height 4 to 6 in..... 05

**PHACELIA Parryi.** Annual. Flowers bell-shaped, dark violet-blue. Height 6 to 12 in..... 10

**PLATYSTEMON Californicus** (Cream Cups). Annual; poppy-like. Height 8 to 10 in..... 05

**ROMNEYA Coulteri** (Matilija Poppy). The queen of all our native flowers. Perennial. Flowers pure white with golden stamens and 6 to 8 in. in diameter; flowers last well when cut. Height 6 to 10 ft..... 10

**SOUVENIR COLLECTION OF CALIFORNIA NATIVE FLOWER SEEDS.—15 varieties in separate packets, including many of the above, mailed free on receipt of Fifty Cents.**

# AIDS IN THE SELECTING OF FLOWER SEEDS FOR SPECIAL PURPOSES

## CUTTING

Acroclinum
Antirrhinum
Aquilegia
Aster
Calendula
Calliopsis
Campanula
Centaurea
Carnation
Chrysanthemum
Coreopsis
Cosmos
Dahlia
Delphinium
Dianthus
Eschscholtzia
Gaillardia
Geum
Gladiolus
Gypsophila
Helianthus
Hunnemania
Larkspur
Lupinus
Lychnis
Marigold
Matricaria
Mignonette
Myosotis
Nasturtium
Pansy
Pea, Sweet
Pentstemon
Phlox
Poppy
Pyrethrum
Rhodanthe
Rocket Sweet
Salpiglossis
Scabiosa
Schizanthus
Stock
Sweet William
" Sultan
Verbena
Wallflower
Zinnia

## CLIMBING

Abobra
Ampelopsis
Aristolochia
Balloon Vine
Bignonia
Calampelis
Canary Vine
Clematis
Coboea
Convolvulus
Cypress Vine
Dolichos
Gourds, Ornamental
Humulus, Hop
Humulus, Japanese
Ipomoea
Kudzu Vine
Maurandia
Mina lobata
Momordica
Moonflower
Nasturtium, Tall
Passion Vine
Smilax
Solanum
Thunbergia
Tropaeolum
Wistaria

## FOLIAGE

Amaranthus
Centaurea Candidissima
Coleus
Pyrethrum
Perilla
Ricinus
Zea Japonica

## PARTLY SHADY PLACES

Anagallis
Anemones
Antirrhinum
Aquilegia
Asperula
Auricula
Begonia, tuberous
Canterbury Bells
Coreopsis
Daisy, Double
Delphinium
Flax, Scarlet
Foxglove
Matricaria
Mimulus Moschatus (Musk)
Mimulus (Monkey Flower)
Myosotis (Forget-Me-Not)
Nemophila
Oenothera
Pansy
Polyanthus
Poppies
Schizanthus
Torenia
Violets

## BEDS and MASSING

### Showy Flowering Annuals

Ageratum
Alyssum
Antirrhinum
Asters
Balsams
Calendula
Calliopsis
Candytuft
Carnation, Marguerite
Celosia
Chrysanthemum (Annual)
Convolvulus Minor
Coreopsis Grandiflora
Dahlias
Dianthus
Eschscholtzia
Gaillardia
Geranium
Lobelia Compacta
Marigolds
Nasturtium, Dwarf
Pansy
Petunias
Phlox Drummondi
Poppies
Portulaca
Salvia Splendens
Stocks
Verbenas
Vinca
Zinnias

## WINTER BOQUETS

### Everlastings

Acroclinium
Globe Amaranth
Gypsophila
" Paniculata
Helichrysum
Honesty
Ornamental Grasses
Rhodanthe

## PERMANENT BEDS and BORDERS

### Hardy Flowering Perennials Taller Sorts

Anemone
Antirrhinum
Aster
Aquilegia
Campanula
Canterbury Bells
Chrysanthemum
Coreopsis
Delphinium
Digitalis
Gaillardia
Geum
Gypsophila
Heuchera
Hibiscus
Hollyhock
Lavender
Lobelia (Hardy Sort)
Lupinus (Perennials)
Lychnis
Pentstemon
Phlox (Hardy)
Poppy (Hardy)
Primrose (Hardy)
Pyrethrum (Hardy Sorts)
Sweet Rocket
Scabiosa
Wallflower

## BACKGROUNDS & BORDERS

### Large Showy Annuals

Amaranthus
Celosia Plumosa
Cosmos
Datura
Hibiscus
Larkspur (Branching)
Lavatera
Lupinus
Marigolds
Nicotiana
Poppies (Tall sorts)
Ricinus
Salvia
Sunflower
Zinnias

### Dwarfer Sorts

Alyssum (Hardy)
Anemone
Armeria
Candytuft (Hardy)
Carnation
Cerastium
Daisy, Double
Dianthus (Hardy)
Myosotis
Pansy
Pinks (Hardy)
Polyanthus
Sweet William
Valerian
Violet

## EDGING WALKS, ETC.

Ageratum
Alyssum
Asters, Dwarf
Candytuft
Cosmos, Yellow
Dusty Miller (Centaurea)
Globe Amaranth
Lobelia
Myosotis (Forget-Me-Not)
Marigold Dwarf
Phlox Dwarf
Pinks, Chinese
Pyrethrum (Golden Feather)
Sweet Pea, Cupid
Nasturtium Dwarf
Nigella Dwarf
Zinnia, Dwarf

# TREE AND SHRUB SEEDS

The supply of fuel is a vital question for Southern California. Varieties of Eucalyptus and other rapid-growing trees are being largely planted in an attempt to supply the demand. The value of trees for shade and shelter need not be enlarged upon, and the demand for other purposes, such as railroad ties, spokes, shingles, fence posts, etc., is constant. Southern California is well adapted for the purpose, as large areas of land now barren could be well utilized. In raising all kinds of tree seeds successfully, the process of growth and germination in their natural habitat should be imitated as closely as possible. As a rule, all trees and shrub seed germinate slowly compared with vegetable and flower seeds.

**All Hard Seeds,** as acacias, locust, Osage Orange, etc., should be soaked for 24 hours in warm water, say at 120 degrees, before sowing, or, where practicable, strew dry leaves or bushes over the beds after sowing and watering, and set fire to them.

**Deciduous Tree Seeds** should be planted in this section in winter or very early in the spring, as most of these seeds lose their vitality very rapidly. The soil should be well prepared, rich and deep, and the seed should always be sown in drills, and ground kept thoroughly free from weeds. Evergreen tree seeds should be sown in boxes or pans thoroughly well drained, and should be protected from the sun by being placed under the shelter of a hedge or fence. They are best sown in the spring or fall, and should be carefully transplanted when necessary.

**Vitality.** As many tree seeds are collected in distant countries, and will sometimes fail to germinate, although they may appear well enough to the eye, we wish it to be distinctly understood that we will not in any way be responsible for their failure; but, at the same time, we will use every endeavor to supply the best.

All tree and shrub seeds quoted in this list at less than 50 cts. per oz. we can supply at 10 cts. per pkt.; those quoted at 50 cts. and upward per oz. we can supply at 15 cts. per pkt.

# AUSTRALIAN TREE AND SHRUB SEEDS

We make a separate category of these, as from their value they are worthy of it. The visitor to Australia, at any season, will at once notice that all the indigenous vegetation is evergreen. The writer does not know one deciduous tree or shrub native to that country. The most valuable are, of course, the Eucalyptus. These possess great antiseptic properties, and are, no doubt, also of great value in absorbing moisture from the bottom soils, thus preventing malaria. Their value as rapid-growing timber is also great, some varieties making excellent fuel, while others are nearly uninflammable, but are useful in carpentry, and for railway ties, platforms, piles, jetties, etc. Others are very ornamental, bearing showy flowers.

**ACACIA Baileyana.** A small, handsome tree with glaucous green foliage. Leaves pinnate; three to four pairs, leaflets about 20 pairs 1½ to 2½ lines long, crowded; linear. Flowers in racemes 3 to 4 inches long, yellow. One of the most beautiful of the Acacias, highly recommended for street planting. Height 25 ft. Oz. 60 cts., lb. $6.

**Cultriformis** (Knife-leaved Acacia). A distinct and beautiful species of upright growth, forming a large shrub, with glaucous green leaves about ¾x½ inch in size. When in bloom the plant presents a splendid appearance on the lawn. Height 15 ft. Oz. 50 cts., lb. $5.

**Dealbata** (Silver Wattle). Very ornamental. Height 15 ft. Oz. 40 cts., lb. $4.

**Floribunda.** Ornamental, with very abundant handsome flowers, valuable for lawns, parks, cemeteries, etc. Height 25 ft. Oz. 50 cts., lb. $5.

**Decurrens** (Green or Black Wattle). A medium-sized tree of rapid growth, very useful for wind-breaks. It is also very rich in tannin. Wood is valuable for fuel, and for turner's and cooper's work. Height 30 ft. Oz. 35 cts., lb. $3.50.

**Latifolia.** A handsome shade tree, succeeding especially well near the seacoast. Leaves broad; yellow flowers. Native of South Africa. Height 40 ft. Oz. 50 cts., lb. $5.

**Linifolia** (Flax-leaved). An ornamental shrub, with yellow flowers, growing in heads two to four together. Height 8 ft. Pkt. 15 cts.

**Lophantha** (Albizzia Lophantha; Cape or Crested Wattle). One of the most rapid-growing trees for first temporary shelter, succeeding in the most desolate places. Height 25 ft. Oz. 15 cts., lb. $1.25.

**Melanoxylon** (Blackwood). In sheltered, irrigated glens this tree will reach a height of from 80 to 100 feet, with a trunk several feet in diameter. The timber is very valuable for cabinet-maker's work. Height 80 ft. Oz. 35 cts., lb. $3.50.

**Mollissima.** An abundant-blooming tree, very ornamental; suitable for lawns and shrubbery. Height 25 ft. Oz. 50 cts., lb. $5.

**Saligna.** Small tree of weeping habit; very ornamental. Height 15 to 20 ft. Oz. 40 cts., lb. $4.

**Acacia pycnantha** (Golden Wattle). Of rapid growth, doing especially well near the seacoast, and containing a large quantity of tannin. Height 40 ft. Oz. 30 cts., lb. $3.

**BORONIA megastigma.** A beautiful little shrub; flowers copper-color, with strong violet odor. Very rare. Seed germinates slowly. Height 2 ft. Pkt. 50 cts.

ACACIA DECURRENS

**BRACHYCHITON acerifolium** (Flame Tree). Of fine, sturdy, pyramidal growth, with large, handsome foliage, producing masses of scarlet flowers. Height 25 ft. Oz. 30 cts., lb. $3.

**CASUARINA quadrivalvis** (Coast She-Oak). Very valuable for seacoast culture, to prevent the inroads of the sea upon sand-hills. Of quick growth. Wood valuable for shingles, etc. Height 60 ft. Oz. $1.

**Stricta** (She-Oak). Is tougher than the other species; excellent wood for tool handles. Height 30 ft. Oz. $1.

**Suberosa** (Erect She-Oak). A beautiful shade tree. Valuable for fuel. Height 60 ft. Oz. $1.50.

**Torulosa** (Forest Oak). Wood very valuable for timber; also for fuel, burning to a clear white ash and leaving no cinders. Height 75 ft. Oz. $1.

## AUSTRALIAN TREE AND SHRUB SEEDS (Continued)

**FICUS Australis** (Australian Banyan Tree). A fine evergreen tree, very useful for shade and shelter purposes. This and the following variety are hardy in the neighborhood of Los Angeles, but in districts experiencing sharp frosts they should be sheltered until they are four years old and well established. Height 50 ft. Oz. $1.

**Macrophylla** (Moreton Bay Fig, or Long-leaved Rubber Tree). A magnificent ornamental shade tree, with large, bright, glossy green leaves. Height 100 ft. Oz. $1.

ACACIA PYCNANTHA

**GREVILLEA robusta** (Silky Oak, or Australian Fern Tree). A well-known shade tree, with fern-like foliage and orange flowers; of rapid growth and capable of resisting drought to a remarkable degree. Height 150 ft. Oz. 50 cts., lb. $5.

**PITTOSPORUM eugenioides.** A valuable evergreen for lawns, parks or cemeteries; of graceful form; light, bright green foliage. Is suitable for tall garden hedges. From South Australia. Height 20 ft. Oz. 50 cts.

**Nigricans.** Dark brown. Height 10 ft. Oz. 50 cts.

**STERCULIA diversifolia** (Brachychiton populneum). A handsome tree of erect, symmetrical growth, with a heavy trunk. The leaves vary much in shape, some being poplar-like, other ivy-shaped, and others slightly or deeply cut. This is without doubt the finest tree for street planting for Southern California and is being very extensively planted. Height 60 ft. Oz. 60 cts., lb. $6.

**TELOPEA speciosissima** (Waratah, or Australian Tulip). One of the most gorgeous and showy shrubs yet introduced. Flowers crimson-scarlet, in large heads, which are discernible at a great distance. Height 8 ft. Pkt. 15 cts.

# DECIDUOUS TREE AND SHRUB SEEDS

**All those varieties quoted at less than 50 cts. per oz. we supply at 10 cts. per pkt. All those quoted at 50 cts. and upwards we supply at 15 cts. per pkt.**

**CALYCANTHUS floridus** (Carolina Allspice). Remarkable for the scent of its flowers, which resembles that of the ripe fruit. Will grow in almost any soil. Flowers brown. Height 4 ft. Oz. 20 cts., lb. $2.

**CAPPARIS spinosa** (Caper Tree). A flowering shrub with handsome blush color flowers. The undeveloped flower-buds are the true capers of commerce. Height 3 ft. Pkt. 10 cts.

**CATALPA speciosa** (Indian Bean Tree). A rapid-growing tree, good for timber claims. Flowers white and purple. Height 50 ft. Oz. 25 cts., lb. $3.

**CERATONIA Siliqua** (St. John's Bread). The Carob or Locust Tree of Scripture, with yellow flowers and edible saccharine pods, which are very fattening. Height 30 ft. Oz. 15 cts., lb. $1.50.

**FRAXINUS velutina** (Arizona Ash). A variety largely used through the arid West as a shade and street tree, large quantities being planted in Arizona and New Mexico as street trees, which make remarkably quick growth and stand the heat and dryness well. Oz. 35 cts.

**GLEDITSCHIA triacanthos** (Three-thorned or Honey Locust). Hardy and of rapid growth. Will form an impenetrable hedge. Seeds should be soaked in boiling water before sowing. Height 60 ft. Oz. 10 cts., lb. 60 cts.

**MACLURA aurantiaca** (Osage Orange). A well-known hedge plant Height 40 ft. Oz. 10 cts., lb. $1.

**MELIA Azederach speciosa** (True Texas Umbrella Tree). Of very rapid growth, with long pinnate leaves and wood of a reddish color, resembling the ash; durable and makes excellent fuel. Thrives in dry soils. Valuable for avenue planting. Height 40 ft. Oz. 10 cts., lb. 75 cts.

**PAULOWNIA imperialis** (Empress Tree). Very rapid-growing when young. It afterwards forms a broad flat head. Flowers violet, trumpet-shaped and fragrant. Height 30 ft. Oz. 30 cts., lb. $3.

**PRUNUS serotina** (Wild Black Cherry). A fine ornamental tree having the general appearance of our wild plum of California. Very hardy and a fine lawn subject. Oz. 20 cts., lb. $2.

**ROBINIA Pseudacacia** (Yellow or Black Locust). Well known in this section; valuable for fuel and timber. One of the best trees with which to plant timber claims. Height 60 ft. Oz. 10 cts., lb. 75 cts.

**SYRINGA vulgaris** (Purple Lilac). The common variety. One of the best; flowers and young foliage fragrant. Height 15 ft. Oz. 25 cts., lb. $2.50.

**Vulgaris alba** (White Lilac). One of the best white varieties. Height 15 ft. Oz. 25 cts., lb. $2.50.

**VIBURNUM Opulus** (Snowball, or Guelder Rose). An interesting shrub, with compact heads of snowy white flowers. Height 15 ft. Oz. 20 cts., lb. $2.

# EUCALYPTUS "The Timber of the Future"

It is only in recent years that the enormous economic value of the Eucalyptus has become recognized although it has long been cultivated in this country as an ornamental and shade tree, for windbreaks, and, in a small way, for wood. The Eucalyptus is remarkable for its great number of varieties of such distinct characteristics. There are varieties of which the crushed leaves give a pronounced odor of mint, lemon, etc., some of great fragrance; in flowering the coloring runs from pure white to great masses of brilliant scarlet, making a beautiful display; the woods range from white, in the most rapidly growing kinds, to the rich mahogany color of the Rostrata, which is very hard.

The Eucalyptus will undoubtedly become one of the most important sources of general timber supply for the United States. It is now grown more extensively than any other tree, for forestry, within the warmer

F. CORYNOCALYX, BLOSSOM

F. CORYNOCALYX, SEED POD

zones. The Eucalypt are worthy of all the attention given them, and deserve to be still better known. They yield timber for hardwood supplies for all purposes and for sanitary and medicinal purpose they have no equal. There are about 150 varieties and are all evergreens. Eucalyptus Globulus (Blue Gum) is noted for the great rapidity of its growth, being one of the fastest growing of the genus. It thrives in moist, warm regions, and in hot dry ones. A large Blue Gum will endure a minimum temperature of about 18–20° F. and a maximum of about 103° F., while the young tree will not usually endure a temperature much below 27° F.

Eucalyptus Corynocalyx (Sugar Gum) deserves to be planted much more generally and on a larger scale than it has been. It does not grow quite as rapid as the Blue Gum, but it is more useful for many purposes, such as railroad ties, fence posts, etc. The wood is very hard and warps very little in drying.

Eucalyptus Rostrata, or Red Gum, is one of the most valuable, and it grows under a variety of climatic conditions. It is one of the best all-round trees; it thrives at the coast; on the dry mesas; in the foothills, and in the dry, hot valleys of the interior. The usefulness of this timber is due to its durability, both underground and in water, as it is almost as hard as iron. It is used for all kinds of furniture, as it takes a beautiful polish. For telegraph poles, posts, piles and street curbing, it has no equal.

Plant now—for now is the time. To be first in the field to supply the needs, is to reap great profits. There are no hardwood trees that will grow as rapidly as the Eucalypt. They will make ties in seven to ten years, and poles forty to fifty feet in eight to ten years, and each year increases their value.

# EUCALYPTUS TREE SEED

### DIRECTIONS FOR RAISING SEEDLING EUCALYPTUS

Sow seed in spring or summer in shallow boxes in a light, sandy soil with plenty of drainage at the bottom of each box. Cover the seed lightly and protect from the hot sun, but allow plenty of air; water often, but sparingly, especially after seedlings appear, for if too much water is given at one time they will be liable to damp off. When the seedlings are two or three inches high transfer to shallow boxes, placing about 1½ inches apart each way, and when large enough transplant to where they are to remain, and water well the first year. The strong growing kinds can be sown in August, September and October, and are ready for planting out early in spring. Slower kinds, as Eucalyptus amygdalina, etc., sow in spring. One lb. of seed will produce from 15,000 to 30,000 trees. All varieties put up in 15 ct. pkts.

Special price in quantities.

**EUCALYPTUS amygdalina.** "Messmate Gum." Belonging to this variety are the tallest trees in the world. In Gippsland, Australia, are trees over 400 feet in height. Making first-class timber for flooring boards, scantling, etc., and is well suited for avenue planting. Yields more essential oil than any other variety; Height 400 ft. Oz. 75 cts., lb. $8.

**E. bicolor.** "Black Box." Timber of great strength and durability. Useful for piles and railroad ties. Height 150 ft. Per oz. $1.

**E. botryoides.** "Bangalay." A stately tree, stems attain 70 or 80 feet without a branch, and a diameter of 6 feet. Timber very durable and used for keels, planking, ribs of vessels, and fencing. Posts from old trees known to last for over 25 years. Will thrive in soil containing stagnant water and near the sea coast on light soil. Oz. 75 cts., lb. $8.

**E. calophylla.** Ornamental, of rapid growth, with large clusters of cream-colored flowers. On account of its profuse bloom the tree is an important source of nectar for bees. Timber also valuable for carpentry above ground. Height 50 ft. Oz. $1.

**E. citriodora.** "Lemon-scented Gum." A fine ornamental tree with lemon-scented foliage, supplying also a useful timber. Being a native of Queensland it is more tender than most other kinds. Height 80 ft. Per oz. $1.50.

**ornuta.** "Yate Tree." A rapid growing variety, it endures a high temperature, but will not stand frosts. Wood very durable, heavy and elastic, and considered equal to ash. Highly recommended for alkali land and said to thrive where other varieties have perished. Height 100 ft. Per oz. $1.

**.corymbosa.** "Blood Wood." Wood of dark red color, easily worked while fresh, but when dry becomes very hard. Useful for fence posts and railroad ties, being durable under ground. Numerous gum veins render it of little use for saw purposes. Height 100 ft. Oz. $1.

**E. corynocalyx.** "Sugar Gum." Very ornamental, rapid growing, with dark green leaves. Highly valued in this vicinity. Timber very durable and used for railroad ties or for any purpose where durability is required, as it lasts remarkably well underground. After studying this tree for years we believe we have no variety yet introduced that will equal it in value as a timber tree. Its growth is remarkably straight and perfect, and it will withstand more drought than most varieties. Height 100 ft. Oz. $1, lb. $9.

**E. crebra.** "Narrow-leaved Iron-bark." Wood reddish, heavy, elastic and durable, is ant and teredo proof. Useful for railroad ties, bridges and piles. Height 100 ft. Per oz. $1.

**E. diversicolor.** "Karri Gum." From Southwest Australia. A tree of remarkable beauty, perfect shape, rapid growth, and one of the very best for street planting. Furnishes good timber for building, masts, shafts, spokes, fence rails, etc. Not recommended for dry localities or places. Height 300 ft. Oz. $2, lb. $16.

**E. ficifolia.** "Scarlet-flowered Gum." The most ornamental of the family. Flowers bright crimson, produced well above the foliage. One of the most effective trees in cultivation. Height 20 ft. Per 25 seeds 25 cts., 100 seeds 85 cts.

**E. globulus.** "Tasmanian Blue Gum." Well known; one of the most useful of all, and a very rapid grower. Planted largely in warm countries on account of its malaria-destroying qualities. Remarkably good for fuel, being easily sawn and split. Also being extensively planted for timber having been used for piles in wharves on the Pacific Coast with very satisfactory results. Height 150 ft. Per oz. 50 cts., lb. $5.

E. FICIFOLIA (SCARLET FLOWERING)

**E. goniocalyx.** "New South Wales Blue Gum." Wood very durable, hard and tough. Much used in its native country by wheelwrights. A rapid grower. Height 200 ft. Per oz. $1.

**E. Gunnii.** "Tasmanian Cider Tree." Probably the hardest of the genus. Will stand a considerable amount of frost. Recommended for all elevated and exposed positions. Good for fuel. Height 80 ft. Per oz. $1, lb. $10.

**E. haemastoma.** "White Gum." Good for fencing and rough building material; also makes a fair fuel. It thrives near the sea coast on sandy soil, but is not suited in the dry interior valleys. Height 150 ft. Per oz. $1, lb. $12.

**E. hemiphloia.** "Common Box." Wood very hard, strong and durable. It thrives at and near the coast, on the foothills and in the dry, hot valleys of the interior. It furnishes a timber not easily split and is used for wheelwrights, handles and various implements; also makes a first-class fuel. Height 100 ft. Per oz. 75 cts.

**E. leucoxylon.** "Victorian Ironbark." Very hard, strong, durable, excels hickory in strength. Recommended for underground work in mines, for railroad ties, bridges, etc. Height 100 ft. Per oz. $1.

**E. longifolia.** "Woolly Butt." A large tree, of great girth, growing well in any soil. Timber is durable and makes excellent fuel. The leaves yield a volatile oil and the profuse bloom furnishes nectar for bees. Height 200 ft. Per oz. 75 cts.

**E. maculata.** "Spotted Gum." Wood as strong as English Oak. Extensively employed in shipbuilding and wheelwrights' work. Height 100 ft. Per oz. $1.

**E. melliodora.** "Yellow Box." Of spreading growth, with a comparatively stout stem, and makes good fuel. The young trees are largely used for telegraph poles, and the flowers are much sought by bees. One of the strongest and most durable timbers in the world. Height 120 ft. Per oz. $1.25.

**E. microtheca.** "The Coolibah Tree." A desert tree that withstands the extreme heat of the desert and endures heavy frosts. Grows somewhat crooked. The timber is valuable for bridges, railway ties, posts, and on account of the color and markings of the wood it is very extensively used for cabinet work. Height 80 ft. Per oz. 75 cts.

## EUCALYPTUS TREE SEED (Continued)

**E. obliqua.** "Stringy Bark." A quick grower at or near the coast and some distance inland, but does not thrive in the hot interior valleys. It produces the best wood for flooring, scantling and shingles; also used in the manufacture of paper. Inferior as fuel, but makes the best charcoal for the forge. Height 300 ft. Per oz. 75 cts.

**E. obtusifolia.** "Yellow Black Butt." A rapid growing variety, very good fuel. Also used for staves, coopers' and wheelwrights' work. Height 120 ft. Per oz. 75 cts.

**E. paniculata.** "White Ironbark." Wood hard and durable, excellent for railroad ties or for building fencing. It splits well and is lasting underground. Height 100 ft. Per oz. 75 cts.

**E. pilularis.** "Black Butt." Of rapid growth. One of the best timber-yielding species, much used for flooring boards, railroad ties and telegraph poles. Height 300 ft. Per oz. $1.

**E. piperita.** "Peppermint Gum." Valuable for shingles, fence rails, etc. Yields a great quantity of oil, and is of remarkably quick growth. Height 300 ft. Per oz. $1, lb. $10.

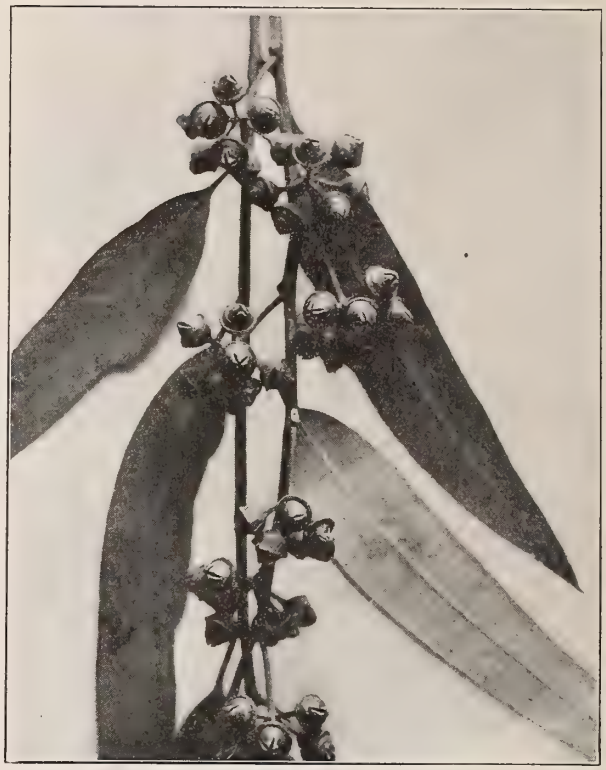
**E. polyanthema.** "Australian Beech, or Red Box." Much used for mining purposes, and underground work. Also an excellent fuel. Flowers good for bees. Thrives in temperate and cold climates; succeeds in dry, hilly country. Height 150 ft. Per oz. 75 cts., lb. $9.

**E. regnans.** "Royal Mountain Ash." A very scarce variety, growing to a large size, and very hardy. Grows on the hill slopes of the Australian Alps, near the snow line. Timber durable and excellent for fuel. Height 200 ft. Per oz. $1.25.

**E. resinifera.** "Forest Mahogany." A superior timber of large size, prized for its strength and durability. Suitable for tropical climates, likewise cool climates near the coast. Fine for interior house work. Height 100 ft. Per oz. $1.

**E. robusta.** "Swamp Mahogany." Thrives best on low grounds, especially near the sea coast. A remarkably healthy, robust variety. Height 100 ft. Per oz. 75 cts., lb. $8.

E. RUDIS



E. ROSTRATA

**E. rostrata.** "Red Gum." Well known and highly esteemed in this section. The timber is unsurpassed for durability, and is used for railroad ties, street pavements, shipbuilding, cabinet work, etc. Height 200 ft. Oz. 50 cts., lb. $5.

**E. rudis.** "Desert Gum." A valuable variety for arid regions, withstanding heat, cold and winds; unsurpassed by any other variety. Height 100 ft. Per oz. $1, lb. $10.

**E. saligna.** "Weeping Gum." Very ornamental. Leaves and general habit are like the "Babylonian Willow." Prefers rich alluvial soil. Good for fuel. Height 75 ft. Per oz. $1.

**E. siderophloia.** "Dark or Broad-leaved Ironbark." Wood very hard, light colored and heavy, of great strength and durability, and is used for railroad ties, spokes, shingles, bridges, jetties, etc. It is stronger than hickory. Also used for fuel. Height 150 ft. Per oz. $1.

**E. Sieberiana** (Virgata). "Mountain Ash." Wood of excellent quality, strong and elastic, and may be used for all purposes where hickory or ash are at present used. Also a most excellent fuel. Grows on mountain tops and stony ridges. Height 150 ft. Per oz. $1, lb. $12.

**E. Stuartiana.** "Apple-scented Gum." A medium-sized tree with drooping branches. Will thrive on any soil. Wood very dark and handsome and takes a good polish. Useful for cabinet work; also good for fuel. Height 100 ft. Per oz. $1.

**E. tereticornis.** "Gray Gum." A very handsome, large-growing variety. Wood durable and useful for shingles, flooring, etc. Also an excellent fuel. It grows best near the coast. It is similar to E. rostrata, but makes a straighter trunk. Height 200 ft. Per oz. 75 cts., lb. $10.

**E. viminalis.** "Manna Gum." A hardy, rapid-growing variety, and well suited for exposed situations. On rich soils it grows to a gigantic size. It is mostly planted for forest cover, wind breaks and for shingles and rough building material; also for fuel. The young bark and leaves yield the Australian Manna—a hard, opaque, sweet substance. Height 300 ft. Per oz. 75 cts., lb. $7.50.

# CONIFER AND MISCELLANEOUS EVERGREEN TREE AND SHRUB SEEDS

**All seeds quoted at less than 50 cts. per oz. we will supply at 10 cts. per pkt.; those quoted at 50 cts. and upwards, at 15 cts. per pkt.**

**BUXUS sempervirens** (Evergreen Box). Hardy, dwarf habit. 8 ft. Oz. 20 cts., lb. $2.

**CAMPHORA officinalis** (Camphor Tree). 50 ft. Oz. 25 cts., lb. $2.50.

**CEDRUS deodara** (Himalayan Cedar). A noble evergreen of pyramidal form. 100 ft. Oz. 50 cts., lb. $5.

**Libani** (Cedar of Lebanon). Beautiful for lawn. 80 ft. Oz. 50 cts. lb. $5.

**CORONILLA GLAUCA.** Fine for hedges. Pkt. 15 cts., oz. 75 cts.

**CRYPTOMERIA elegans** (Fine-leaved Japan Cedar). Foliage glaucous green. 50 ft. Oz. 50 cts.

**Cryptomeria Japonica** (Japan Cedar). Splendid on lawns. 75 ft. Oz. 30 cts., lb. $3.

**CUNNINGHAMIA Sinensis.** A lofty evergreen resembling the Araucaria, but more feathery. 100 ft. Oz. $2.50.

**CUPRESSUS Goveniana** (Goven's Dwarf Cypress). A native variety. Very ornamental. 30 ft. Oz. 40 cts., lb. $4.

**Arizonica** (Blue Cypress). A rapid-growing variety, ornamental for lawns and cemeteries. 50 ft. Oz. 50 cts., lb. $5.

**Macrocarpa** (Monterey Cypress). Useful for hedges, wind-breaks, etc. 50 ft. Oz. 20 cts., lb. $2

**Lawsoniana** (Lawson's Cypress). A native variety found in northern California and Oregon. Wood white, fragrant and close-grained. Generally known as Oregon or White Cedar. Height 100 ft Oz. 40 cts., lb. $4.

**Sempervirens** (Italian Cypress). A European variety, very long-lived, the wood of which is almost imperishable. Height 70 ft. Oz. 30 cts., lb. $3.

**JACARANDA mimosaefolia** (Brazilian Jacaranda). A handsome tree with fern-like foliage, and magnificent clusters of light blue flowers. Hardy in this vicinity. Height 30 ft. In pods containing from 30 to 40 seeds. Pod 5 cts.

**JUNIPERUS Virginiana** (Red Cedar). A well-known American tree. Height 50 ft. Oz. 25 cts., lb. $2.50.

**HAKEA saligna.** A splendid ornamental evergreen shrub-like tree, growing some 12 to 20 feet high, with a broad, dense growth. Having the appearance somewhat of a sheared Juniper, but of a very bushy habit; of very light green color. Pkt. 25 cts.

**LIBOCEDRUS decurrens** (California Red Cedar). A very handsome tree, native to the coast range from San Diego to Oregon. Some fine specimens may be seen in Santa Barbara. Height 100 ft. Oz. 40 cts., lb. $4.

**LIGUSTRUM Japonicum** (Japan Privet). One of the best hedge plants. Height 12 ft. Oz. 15 cts., lb. $1.50.

**MAGNOLIA grandiflora** (Large flowering Magnolia). A native of the southern states where its presence indicates good soil. Height 100 ft. Oz. 35 cts., lb. $3.50. (Seed furnished only during the fall and winter).

**PINUS Canariensis** (Canary Island Pine). Very robust and healthy, with bright green foliage. Grows nearly as fast as the Monterey Pine. Height 100 ft. Oz. 35 cts., lb. $3.50.

**Coulteri Macrocarpa;** (Big Cone Pine). A fine native tree, of very robust growth, with bluish gray leaves a foot in length. Has the largest cone of all pines, sugar-loaf shaped and edible. Height 100 ft. Oz. 40 cts., lb. $4.

**Lambertiana** (Sugar Pine). One of our largest native pines, forming a beautiful tree with light brown bark. Height 150 ft. Oz. 35 cts., lb. $3.50.

**Insignis** (Monterey Pine). This well-known native variety is of very rapid growth, and succeeds well in any kind of soil. Height 100 ft. Oz. 35 cts., lb. $3.50.

**Maritima** (Seaside Pine). Well adapted for planting near the sea Height 60 ft. Oz. 15 cts., lb. $1.50.

**Parryana** (Mexican Pinon). A small-growing pine, native of Lower California mountains, growing on the desert side of the range, withstanding considerable drought; a very attractive, fine pine. Oz. 50 cts., lb. $5.

**Ponderosa** (Yellow Pine). A native variety found in the coast range at a high altitude. An immense tree, specimens having been found 300 feet high and 15 feet in diameter. The bark is very thick and of red-brown color. Height 250 ft. Oz. 35 cts., lb. $3.

**Strobus** (Weymouth or White Pine). A stately, straight and valuable tree. Height 100 ft. Oz. 40 cts., lb. $4.

**Sabiniana** (Gray-leaved Pine). Found in the hot interior foothills of Southern California; low-branching habit, light gray, glaucous foliage; seeds edible and are highly esteemed by the Indians and even the whites, and are known to the natives as Pinons or Digger Pine. Oz. 30 cts., lb. $3.

**Torreyana.** One of the most beautiful of our native Pines. A fine specimen may be seen in cultivation in the Hotel Green grounds at Pasadena. Height 50 ft. Oz. 40 cts., lb. $4.

**POLYGALA grandiflora.** A very desirable flowering shrub. Very free-blooming and ornamental. Pkt. 25 cts.

**PARKINSONIA Aculeata.** A tree that should receive more attention. A wonderful sight when in bloom and a grand lawn subject any time in the year; will grow without water on our driest hills and dales. Native trees. Pkt. 25 cts.

**SCHINUS Molle** (Mexican Pepper Tree). A well-known handsome shade-tree, with light feathery foliage and bright scarlet berries. Height 50 ft. Oz. 10 cts., lb. $1.

**SCIADOPITYS verticillata** (Japan Umbrella Pine). Curious and remarkable. Leaves are a dark glossy green, crowded into whorls at the joints of horizontal branches. Very ornamental. Height 60 ft. Oz. 75 cts., lb. $7.50.

**SOLANUM erectum** (S. Betaceum; Guatamala Tree Tomato). A handsome evergreen of good form, and bearing yellow fruit the size of an egg, with a pleasant subacid flavor. Height 8 ft. Pkt 25 cts.

**SEQUOIA gigantea** (California Big Tree). The biggest of all trees, and probably the longest-lived. Specimens are often found 400 feet high. Height 300 ft. Oz. 75 cts., lb. $7.50.

**Sempervirens** (California Redwood). Well known. Wood reddish, soft, close veined, easily split, light and brittle, but very durable. It luxuriates in the cool dampness of sea fogs. Ornamental for lawns or parks. Height 200 ft. Oz. 50 cts., lb. $5.

**STERCULIA plantanifolia** (China Parasol Tree). Very ornamental, with large, plane-like leaves. This makes an excellent tree for avenue or park planting. Height 40 ft. Oz. 30 cts., lb. $3.

**THUJA aurea** (Golden Arborvitae). A dwarf Chinese variety, compact and globular in shape; top foliage yellowish green; suitable for lawns, cemeteries, etc. Height 10 ft. Oz. 30 cts., lb. $3.

**Aurea semper-aurea** (Ever Golden Arborvitae). Dwarf habit and free growth. Retains its golden color the year round. One of the prettiest dwarf evergreens. Height 8 ft. Oz. 40 cts., lb. $4.

**Compacta** (Compact Arborvitae). Handsome dwarf variety, compact, globular form. Height 5 ft. Oz. 35 cts., lb. $3.50.

**Occidentalis** (American Arborvitae or White Cedar). A common and well-known tree, native of the Atlantic states. Height 50 ft. Oz. 30 cts., lb. $3.

**Orientalis** (Chinese Arborvitae). A small, elegant tree, peculiar from its flattened branches, which are dense and light green in color. Valuable for planting on lawns. Height 10 ft. Oz. 25 cts., lb. $2.50.

**VIBURNUM Tinus** (Laurustinus). One of the finest winter flowering shrubs, blooming abundantly during the winter. Also a valuable hedge plant. Height 8 ft. Oz. 15 cts., lb. $1.50

# PALM AND OTHER DECORATIVE PLANT SEEDS

**As many of the seeds of this class of plants are not reliable unless fresh, and as the varieties do not reach us very regularly from the collectors, we trust our customers will not feel disapointed if they do not receive all of the varieties they may order. We promise, however, to book such varieties as we cannot supply and forward them promptly upon arrival. As it is impossible to test the vitality or genuineness of this class of seed, we cannot hold ourselves in any way responsible for the results of crop. As many varieties of Palms take a long time to germinate, we advice patience and careful attention to attain successful results.**

Palms are among the finest and handsomest of all plants. In a young state they do not show their distinctive characters.

**ARECA.** A genus of elegant pinnate-leaved Palms, which are widely distributed over the earth, some of the species being found in the East Indies, while others occur in the West; they exist also in the Island of Mauritius and its dependencies, in the Island of Madagascar, in New Zealand and in Australia.

**Bauerii** (Seaforthia robusta). Not very hardy in this climate, except under glass. A native of Norfolk Island. 10 seeds 25 cts., 100 seeds $2.

**Lutescens.** An extremely beautiful plant with arching pinnate leaves; will not stand frost. A native of the Mascareen Islands. 10 seeds 25 cts., 100 seeds $2.

ARECA LUTESCENS

**CHAMAEROPS.** The various species of Chamaerops are found scattered through southern Asia, northern Africa, semi-tropical North America and the South of Europe. Leaves fan-shaped; fruit a one-seeded berry.

**Canariensis.** A handsome palm worthy of cultivation, either for lawn or for pot culture. 10 seeds 15 cts., 100 seeds $1.

**Excelsa** (Hardy Fan Palm). This palm grows to the height of from 20 to 30 ft.; leaves fan-shaped; trunk enclosed by a dense mass of rough fibers. Native of the East Indies. Oz. 15 cts., lb. $1.50.

**Humilis** (Dwarf Fan Palm). An extremely handsome plant. Very fine and well worthy of cultivation. Native of southern Europe. Oz. 20 cts., lb. $2.

**CORYPHA australis** (Livistona australis). A stately Fan Palm with slender trunk, from East Australia. Hardy in Southern California; several fine specimens may be seen in Los Angeles. 10 seeds 20 cts., 100 seeds $1.50.

**ERYTHEA armata** (Brahea glauca; Blue Palm). One of the most elegant Fan Palms, from the islands of Lower California. Leaves glaucous blue. Hardy; 10 seeds 25 cts., 100 seeds $2.

**Edulis** (Brahea edulis). A rapid-growing variety from the Guadalupe Islands. Fan-shaped leaves, bright green. Hardy; 10 seeds 15 cts., 100 seeds $1.

**PHOENIX Canariensis.** An elegant and most hardy variety of the Date Palm, much used around Los Angeles for lawns. Very handsome and durable. 10 seeds 10 cts., 100 seeds 50 cts.

**Dactylifera.** The Date Palm; is an erect, handsome palm. Native of northern Africa and tropical Asia, where the palm attains a height of 80 ft. Lives to a great age, and yields the date fruit of commerce. Hardy; Oz. 20 cts., lb. $1.50.

**Reclinata.** A very fine, large-growing species; leaves pinnate. Largely used in Nice, Cannes, and in the south of France for avenues; also the best for that purpose here, as it will stand severe frosts. A native of the Cape of Good Hope. Hardy; 10 seeds 15 cts., 100 seeds $1.

**Rupicola.** This is one of the most exquisitely graceful palms, and in elegance takes a similar place to that of Cocos Weddelliana. It is of acaulescent habit, with wide-spreading, arching, pinnate leaves; a most valuable acquisition. Native of East Indies. Hardy; 10 seeds 20 cts., 100 seeds $2.

**Tenuis.** This is a very hardy, elegant and desirable variety of Date Palm, with long, bright sea-green leaves; much used for lawn planting. 10 seeds 15 cts., 100 seeds $1.

**SEAFORTHIA elegans.** One of the most elegant of the palm family, and one of the finest subjects in cultivation for the conservatory, greenhouse or subtropical garden. Height 20 ft. Leaves from 2 to 10 feet in length; dark green. It stands quite a low temperature. Native of New South Wales. 10 seeds 15 cts., 100 seeds $1.

**WASHINGTONIA filifera.** The well-known California Fan Palm, which also goes under the names of Pritchardia filamentosa and Brahea filamentosa; very hardy. Oz. 10 cts., lb. $1.

**Robusta.** A robust Fan Palm, similar to W. filifera, but with smoother and darker green leaves without threads. Oz. 25 cts., lb. $2.50.

## DECORATIVE PLANT SEEDS

**AGAVE.** Six fine varieties, viz., Americana fol. var. Densiflora, Deserti, Heteracantha, Univittata and Verchaffelti. Each, pkt. 15 cts. The collection of six varieties for 75 cts.

**DRACAENA australis** (Cordyline). A palm-like tree growing to a considerable height; the stem is stout; leaves from 2 to 3 feet in length, oblong, lanceolate and bright green; splendid for avenues. Native of New Zealand. Pkt. 15 cts., oz. 75 cts.

**Draco.** Yields the dragon's blood resin of commerce. The stem of this species is stout at the base; leaves closely set, 18 inches in length and 2 broad; thick, fleshy dark green, and ending in a long,

## DECORATIVE PLANT SEEDS (Continued)

PHOENIX CANARIENSIS

thin unarmed point. A native of the Canary Islands; hardy. 10 seeds 10 cts., 100 seeds 75 cts., 1,000 seeds $5.

**Indivisa** (Cordyline indivisa). Sometimes called Dracaena stricta. A most graceful palm-like tree, suitable for decoration either in or out-of-doors. Fine for avenues. Native of New Zealand. Oz. 35 cts., lb. $3.50.

**MUSA ensete** (Abyssinian Banana). Native of the mountain regions of Abyssinia. This magnificent plant attains a height of 30 feet, the leaves occasionally reaching a size of 20 feet in length by 3 in breadth. This plant produces no suckers and requires several years to come into flower and seed; it then dies off like the Sago Palm, the Caryota Palm, and others which flower but once without reproduction from the root. 10 seeds 15 cts., 100 seeds $1.

**YUCCA.** Six fine varieties, viz., Aloefolia fol. var., Angustifolia, Filamentosa Quadricolor, Tricolor and Whipplei. Each, pkt. 15 cts., the collection of six varieties for 75 cts.

**Quadricolor.** A large and magnificent kind. The upper surface creamy yellow, in the center tinged with crimson and orange-yellow, and broadly bordered with dark shiny green. A native of Mexico; hardy. 100 seeds 25 cts., 1,000 seeds $2.

# FRUIT TREE SEEDS

### CULTURAL DIRECTIONS

**APPLE, PEAR and QUINCE.** The seeds of these varieties may be planted any time during the winter or early spring. Soak the seeds in tepid water for three days and change the water each day, or soak in cold water for eight or nine days, then sow lightly in drills 2 feet apart.

**CHERRY, PLUM, PEACH, ALMOND, etc.** The cultural directions given for the walnut, so far as germinating the seed is concerned, may be followed. Should the quantity be small, however, the pits may be placed in layers in boxes placed on the ground in a sunny exposure. Sprinkle over each layer a coating of sand. Layers may be four to six deep. Keep constantly moist but not soaking. As the young plants appear above ground, they should be carefully removed and planted in nursery rows 3 feet apart. A cloudy day is most suitable for this work.

**WALNUT.** The culture of the walnut is the same as for stone fruits. The seed may be planted in beds, during the winter or spring covering about 1 inch deep, and kept moist, but not until they germinate, which will be in about three or four weeks, according to the temperature. As soon as they crack and show the sprout they should be transplanted to the nursery rows, 4½ to 5 feet apart and 6 inches apart in the row. They will grow the first year, without irrigation, 6 to 12 inches, and, with irrigation, 8 inches to 4 feet; the second year, from 4 to 8 feet, with irrigation. If ordered by mail, 10 cts. per pound additional will be charged to cover postage. Prices subject to fluctuation. Quotations for large quantities will be given on application.

**ALMOND, Hard-shelled.** (Prunus amygdalus communis). Pound 25 cts., 100 lbs., market price.

**APPLE** (Pyrus Malus). Useful as a grafting stock. Oz. 10 cts., lb. 75 cts.

**APPLE, French Crab.** A superior stock. Oz. 10 cts., lb. $1.

**APRICOT (Prunus Armeniaca).** Price on application.

**CHERRY, Mazzard** (Cerasus communis). A hardy stock. Oz. 10 cts. lb. 75 cts.

**LOQUAT** (Eriobotrya Japonica). Seed supplied in season. Procurable only in spring. Oz. 10 cts. lb. 60 cts.

**PEACH SEEDING** (Prunus amygdalus Persica). Price on application.

**PEAR** (Pyrus communis) Used as a stock. Oz. 20 cts., lb. $2.

**PLUM, Myrobolan** (Prunus communis). A splendid stock on which to graft other varieties. Oz. 10 cts., lb. 60 cts.

**QUINCE** (Cydonia communis). Quinces generally produce the same variety from seed, but occasionally vary. The stock is much used for budding and grafting the pear. Oz. 25 cts., lb. $2.50.

**WALNUT. Soft Shelled** (Juglans regia). A superior variety. Lb. 30 cts., 100 lbs., on application. Postage 10 cts. per lb. extra.

**FRESH ORANGE SEED.** Taken from ripe fruit, thoroughly washed and cleansed from pulp. One pound contains about 1,500 seeds. Lb. $1. Only during spring months.

## SMALL FRUIT SEEDS

**CURRANT, Black.** Pkt. 10 cts., oz. 50 cts.
**Red.** Pkt. 10 cts., oz. 40 cts.
**Large Mixed.** Pkt. 10 cts., oz. 40 cts.

**GOOSEBERRY, Large English Mixed.** Pkt. 10 cts., oz. 75 cts.

**GUAVA, Strawberry** (Psidium cattleyanum). Sow in boxes and transplant when 2 inches high to pots. Pkt. 10 cts., oz. 30 cts., lb $3.

**RASPBERRY, Finest Sorts Mixed.** Pkt. 10 cts., oz. 40 cts.

**STRAWBERRY, Large Mixed.** Pkt. 10 cts., oz. 75 cts.
**Red Alpine.** This is the European wild strawberry. Pkt. 10 cts. oz. 75 cts.

# Send for Our Catalog of

# BULBS AND FLOWER SEEDS

## FOR FALL PLANTING

**ISSUED SEPT. 1st**

**We receive annually a direct importation of the finest Holland Bulbs procurable, arriving about October 1st.**

**There are no flowers that can be grown with more satisfaction where fragrance and beauty of bloom are concerned and with less labor and cultivation than flowering bulbs. They are easily grown and do not require the skill of an expert to develop them. They have the advantage of blooming in winter when flowers are scarce, and some varieties can be forced for the Holidays.**

**By sending us your address we will place your name on list and will mail you our catalog as soon as it is ready.**

# NURSERY DEPARTMENT

Our main tree and plant salesyard is situated in the center of the square formed by Third, Fourth, Main and Los Angeles Streets. Entrance to yard through our seed store at 326–328–330 So. Main Street. Branch sales yard at the S. W. corner of 10th and Hope Streets (address all communications to 326–330 S. Main Street). We cordially invite customers to inspect our stock.

All Nursery Stock shipped by us is accompanied by a certificate of health, issued and signed by an Inspector of the Horticultural Commission. This insures shipments to consist of nothing but healthy stock, free and clear of all scale, insect pests, etc. **Orders for Winter and Spring shipments should be placed as early as possible.** Three-fourths of the nursery business is done at that time of the year, and when our busy season starts, we are rushed with orders. All orders are filled in rotation as received.

**GUARANTEE.** We do not guarantee stock to live, nor will we replace free of cost that which dies or fails to grow; nor can we, in view of the various incidents that the stock is subject to, as the success or failure depends largely upon climatic conditions, manner of planting, after care, etc. We do guarantee, however, that our stock will be in a good, live and healthy condition upon departure from our nurseries.

**SUBSTITUTION.** Where particular varieties are ordered and particular ages and sizes of trees, kinds of stock, etc., it should be stated whether and to what extent substitution will be allowed in case the order cannot be filled to the letter. Where no instructions in this respect accompany the order, we shall feel at liberty to substitute other varieties as nearly similar as possible. If the selection of varieties is left entirely to us, we shall endeavor to send only such sorts as are acknowledged to give general satisfaction.

**AS USUAL,** five of any one certain variety, will be furnished at 10 rates; 50 at 100 rates; 500 at 1,000 rates.

**CLAIMS.** Should any errors occur we desire to be informed upon receipt of goods, that we may rectify them without delay. All claims must be filed within ten days after the arrival of shipments. **No plants sent C. O. D. unless one-half of the amount is sent with the order.**

**GENERAL SPECIAL.** Express shipments of Nursery Stock travel under what is known as the "General Special" Rate, which is 20% less than the first-class rate. We would advise having small shipments go by express, for while the cost is somewhat more than by freight, the difference is often more than made up by the prompt delivery and careful handling. **Small packages, under four pounds in weight may be sent by mail or express (if prepaid) at 8c per lb., which usually averages 20 per cent of the purchase price.**

**CAUTION.** Be careful in unpacking to note everything, and either plant, or cover up with moist soil at once. Moisten the roots, and do not allow them to become dry.

**TREATMENT BEFORE PLANTING.** Before planting, prune off all broken and extra long roots. Peach, Plum, Apricots, etc., should have side limbs and top cut back to at least half the length.

**PLANTING.** Dig holes large enough to allow the roots of the tree to spread out in their natural position, carefully placing the finest and best soil from the surface in among the roots; when the soil is nearly filled in, thoroughly settle the earth by filling the hole with water; after it settles, fill in the remainder of earth. In most soils, the use of water to settle the earth is much better than treading the soil with the foot.

**AFTER CULTURE.** The ground should be kept loose and free from weeds. It is advantageous in a dry climate, like ours, to throw around the tree, for a distance of two or three feet each way, a mulch of rough manure or litter. It prevents the ground from drying out and baking.

**PACKING CHARGES.** We make no charges for packing on retail orders, except on long distance shipments, or when plants or trees have to be specially packed. In such cases, we charge for the actual cost only.

**PLANT AND SEED ORDERS** should be kept separate, as during our rush season, we frequently run short of some varieties of plants or trees and this sometimes causes a slight delay in receiving consignments from our various growing grounds. The rush of business is terrific during the winter and spring in the Nursery Department and orders cannot always be shipped at once. With our present facilities we hope to have but few delays in filling orders, but in cases where the nursery stock cannot be shipped at once, the seed orders will be shipped at once, and balance of order to follow when ready.

## FRUIT TREES

California is justly famous the World over for her fruits. The ideal climate, soil and long growing season, give us the best, strongest, healthiest and most perfect young trees that grow. We can safely state that no other nursery handles a better grade, or more select varieties than our house offers its customers.

ONE YEAR OLD ORANGE TREES BALLED FOR SHIPMENT

[See Page 68]

# CITRUS FRUIT TREES

Prices $2.00 each, $19.00 per 10.
Write for special prices on large lots.
Strong one year old budded trees.

Volumes could be written on the Citrus trees and fruit as grown in California. Nowhere else except in favored sections of Arizona and Mexico, does Citrus culture reach such perfection. Our stock of young trees is first-class. The young trees have a ball of earth around the roots, (see cut page 67) and weigh approximately 35 to 40 lbs. each. For long distance shipments via express, if a customer so specifies in order, we will remove the dirt from the roots, strip the tree of foliage, and pack the root in moss. This method cuts down the weight to a minimum. Care should be taken not to expose the roots to the air longer than necessary.

Citrus trees, being evergreen, can be shipped and planted at any season of the year.

### ORANGES

**WASHINGTON NAVEL.** One of the two most profitable oranges grown. World famous. Derives it's name from the formation on the blossom end. A regular bearer of large, luscious fruit of the most delicious flavor. Fine shipper, seedless, ripens early. Season from November to May. The best early orange.

**THOMSON'S IMPROVED NAVEL.** Fruit of medium size, early, rind thin and smooth; resembles the Washington navel in habit; a fine keeper and of excellent flavor. A splendid orange, but not as good for shipping, as the Washington Navel. November to January.

**VALENCIA LATE.** A late and prolific bearer, fruit medium size, oval, solid and heavy; flesh exceedingly juicy and sweet. The other of the two most profitable and world famous oranges. Fruit medium size, very few seeds, subacid flavor; ripens late and keeps well on the tree throughout the summer. Season from June to September. The best late orange.

**TANGERINE (Dancey's).** The standard variety, ripens at the same time as the navels; pulp is sweet and separates freely from the rind. Orange-red skin, best of the Mandarin family. March.

**KUMQUOT (The Kin-Kan of Japan),** meaning Gold Orange. Fruit very small, olive shaped, the rind is orange yellow and has a pleasant aroma; used by the Orientals for preserving. The tree is dwarf and ornamental. May to July.

### LEMONS

**EUREKA.** The celebrated California Lemon and the favorite shipping commercial variety. Undoubtedly the best o, all Lemons. Medium size fruit, having few seeds, heavy. juicy and well flavored. A good keeper, tree thornless and a most prolific bearer. The variety most largely grown in California.

### THE POMELO, or GRAPE FRUIT

**MARSH'S SEEDLESS.** The best and most popular variety of the Pomelo. Seedless and sweet; can be eaten without sugar when fully matured. Medium size, rind thin, flesh dark and rich; an early and prolific bearer and a late keeper.

# DECIDUOUS FRUIT AND NUT TREES

Standard size 4 to 6 feet. 35c each, $3.25 per 10, unless otherwise noted.

### GRAPE VINES

10c each, $1.00 per doz. unless otherwise noted

Deciduous Fruit and Nut Trees comprise all fruit trees that drop their leaves early in the winter and remain in dormant condition until the sap starts running again in the spring Shipping and planting season starts the first part of January, and ends generally the middle of April, according to the earliness or lateness of the season. Customers desiring early shipment should place their order early, as all orders are filled in rotation as received.

The above is also true of all Grape Vines.

### ALMONDS

Prices 35c each. $3.25 per 10

**I. X. L.** Tree a rapid, sturdy, rather upright grower, with large leaves. Nuts large, easily shelled, no bleaching or machine necessary. Soft shell.

**NE PLUS ULTRA.** Tree a rapid grower, leaves large, heavy and regular bearer. Nuts large. Soft shell, hulls free. Middle of March.

**NONPAREIL.** Of a weeping style of growth; small foliage; a heavy and regular bearer, with very thin shell, of the paper shell type. Ripens early and can be gathered before other varieties are ready.

### APPLES, SUMMER VARIETIES

Prices 35c each, $3.25 per 10

**EARLY HARVEST.** Medium size, roundish, light yellow, flesh very white, tender and crisp. Fine for table and cooking. Early July.

**RED JUNE.** Early, oblong in shape, medium size, deep red color. One of the best table varieties. June to July.

**RED ASTRACAN.** One of the best commercial varieties An early bearer; tree vigorous and hardy, flesh white crisp and juicy, with a pleasant acid flavor. July.

SOFT SHELL ALMOND

### APPLES, FALL VARIETIES

Prices 35c each, $3.25 per 10

**GRAVENSTEIN.** Tree a vigorous grower, fruit large, skin yellow splashed with red and orange, flesh tender, crisp and highly flavored, a strong growing and heavy bearing tree. A standard Fall apple in this State. August.

### APPLES, FALL VARIETIES (Continued)

**FALL PIPPIN.** Very large, roundish, a little flattened, skin yellowish green, flesh white, tender and mellow. A heavy bearer and one of the best Fall apples. September.

**WINTER BANANA.** A comparatively new variety. Fruit large and well formed, yellow shaded with red. Flesh yellow with a rich aromatic sub-acid flavor of the best quality. Heavy bearer. September.

**RHODE ISLAND GREENING.** Large and round. A fine apple for table or cooking. Flesh yellow, fine grained, tender, crisp, juicy, slightly acid. A healthy and very popular tree. October and November.

**JONATHAN.** Medium size, conical. Skin, light yellow, with red stripes, and deep red in the sun. Flesh tender, juicy and rich. One of the best apples for Southern California including the Mountain Valleys and Plateaus. October to December.

### APPLES, WINTER VARIETIES

Prices 35c each, $3.25 per 10

**WINESAP.** Medium size, roundish oblong. Color of skin, dark red. Flesh yellow, crisp and rich flavor. A good bearer and largely grown. An excellent table variety and one of the best for cider. November to February.

**YELLOW BELLEFLEUR** (See Cut). Particularly adapted to California and one of the best commercial varieties. Very large, oblong, lemon color; flesh firm, tender, juicy and crisp. Good keeper. Tree strong and healthy grower. October to January.

**ROME BEAUTY.** Large and roundish, yellow shaded and striped with bright red. Flesh yellowish, juicy and sprightly. Good late keeper. One of the very best varieties for the mountain valleys of Southern California. November to February.

**MISSOURI PIPPIN** (Stone's Eureka). Admirably adapted to Southern California; large round, yellow, striped with red. Flesh white and moderately juicy. A very good bearer. Fine for market. November to April.

**BALDWIN** (See Cut). Very productive, large, round, deep bright red, juicy, crisp, subacid, of fine flavor. A great market variety. One of the most popular winter apples. November to February.

**WHITE WINTER PEARMAIN.** One of the universal favorites and extensively grown apples in California. A big commercial variety. Flesh yellowish, crisp, tender and juicy, with an elegant subacid flavor. A strong and healthy grower. Succeeds well in all parts of the State. November to January.

YELLOW BELLEFLEUR APPLE

**YELLOW NEWTOWN PIPPIN.** Considered one of the best winter apples in California. Large golden yellow. Flesh firm and crisp, with a very rich high flavor. January to May.

### APPLES, CRAB

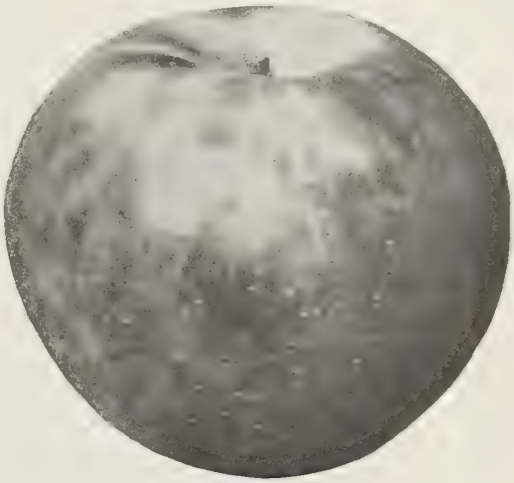
Prices 35c each, $3.25 per 10

The crab bears when quite young and generally bears heavily every season. They seem to succeed equally well in cold or hot climates, and the value of their fruit for cooking, jelly and cider is recognized to the extent that the demand for them in the market exceeds the supply.

**YELLOW SIBERIAN.** Large, fine golden yellow.

**RED SIBERIAN.** Fruit small, fine flavor.

**TRANSCENDENT.** Fruit large, crisp and juicy. Skin yellow striped red. Tree very productive. Considered the best of the crabs, especially fine for preserves and jellies.



BALDWIN APPLE

### APRICOTS

Prices 35c each, $3.25 per 10

**ROYAL.** More extensively planted than any other variety; fine for canning and drying. The leading California Apricot. Large size, free stone, fine color and flavor. Good bearer. Fruit large and roundish. Skin yellow, slightly tinged with red. Flesh pale orange, firm and juicy, with a rich vinous flavor. Early June.

**BLENHEIM.** Large, oval, orange with a deep yellow, juicy and fairly rich flesh. Ripens a little later than the Royal.

**HEMSKIRKE.** Large, slightly flat on the sides, strongly resembles the Moorpark, but ripens earlier, and is a more regular bearer. Flesh bright orange, tender and juicy. Late June.

### CHERRIES

Prices 35c each, $3.25 per 10

Cherries bear better when associated with another variety, causing cross-fertilization.

**BLACK TARTARIAN.** Fruit of the largest size, bright purplish black. Flesh purplish, juicy, of a very rich flavor. Tree, a very vigorous, erect and splendid grower; an immense producer. The best of the black cherries.

**NAPOLEON BIGARREAU** (Royal Ann). A splendid cherry of the largest size, pale yellow, spotted with red, bright red cheek. Flesh very firm, juicy and sweet. Tree a free growe and an enormous bearer. Will bear better if planted with Black Tartarian, which will act as cross-pollenizers.

## FIGS

Prices 35c each, $3.25 per 10
Strong 3 ft. and 4 ft. trees

**BLACK MISSION** (California). The oldest Fig in California and one of the best for home use. Tree a strong grower, skin rough, deep mahogany violet, tinged with red. Flesh sweet.

**BLACK SAN PEDRO.** The largest of all Figs. Skin smooth, violet black with green neck: pulp red, coppery, tinged with violet. Fine for table use.

**WHITE SMYRNA.** A compact grower of spreading habit. Skin thin, grayish green. A very fine table fig.

**WHITE PACIFIC.** Greenish-yellow skin. Pulp light yellow, very sweet. A regular and heavy bearer. Fruit medium to larger. One of the very best of white Figs. Considered by many the same as the Kadota or Datato.

**CALIMYRNA (SMYRNA).** The genuine fig of commerce of Asia-Minor. Large size, skin lemon yellow, pulp reddish amber. The flavor and quality of this Fig are unsurpassed. It is necessary to cross the variety with the wild or Capri Fig, which produce the Fig wasp necessary to carry the pollen and fertilize the Calimyrna, otherwise the fruit will drop before maturity.

**BROWN ISCHIA (BROWN TURKEY).** A very large, brown Fig. Probably the earliest large brown grown. Color, violet brown. One of the best market Figs in California, bringing heavy returns.

**CAPRI.** The wild Fig which must be grown in connection, and associated with the Calimyrna (Smyrna) Fig, the ratio being two Capri trees to one acre of Smyrnas.

## GRAPES, AMERICAN VARIETIES

Prices 10 cts. each, $1 per dozen, except where otherwise noted

The family of Grapes grown throughout the Eastern and Middle-West States. They are particularly adapted for covering arbors, being good climbers and strong growers. These varieties may be planted in sections where the extreme cold of winter would make it unsafe to use the Foreign Grapes.

We have eliminated the following varieties from this year's list: Catawba, Isabella and Martha, and have added the Pierce (Isabella Regia), known locally as the California Concord and Moore's Diamond. We find the Catawaba and Martha do not thrive well here. Isabella is replaced by the Isabella Regia, a much superior grape. Moore's Diamond is the leading early White Grape.

**CAMPBELL'S EARLY.** Blackish purple, large, early and productive. A fine new grape. Flesh firm and tender, almost seedless. A good grower with healthy foliage. Fruit hangs on vines sound and perfect for more than ten weeks after ripening and does not crack. As a good keeper and shipper it is believed to be unequaled by any other Grape. More Campbell's Early are being planted in the East than any other variety. 20c each, $2.00 per dozen.

**CONCORD.** One of the most popular and well known of the native Grapes. Early, color black, large, both of clusters and grapes. Flesh juicy, buttery and very sweet. Exceptionally well adapted to arbors. A vigorous grower, healthy and productive.

**DELAWARE.** A small red grape of fine quality. Bunches are small and compact, sweet and sugary. An abundant bearer.

**MOORE'S DIAMOND.** A very desirable new white Grape. Bunches large, berry white with yellow tinge, when fully ripe. Flesh juicy, almost free from pulp, very few seeds.

**MOORE'S EARLY.** Resembles Concord in quality, but more pulp: ripens several days earlier.

**NIAGARA.** One of the best white Grapes in cultivation. A leading market variety and much used for arbors. Berry Berries and leaves are of very large size, and when ripe the fruit is exceptionally sweet. For size and quality it is one

**PIERCE (ISABELLA REGIA).** A sport of the Isabella. Berries and leaves are of very large size, and when ripe the fruit is exceptionally sweet. For size and quality it is one of the very best of the American varieties. Berries bluish black. A fine market variety bringing good prices and always scarce. Grown as the **California Concord** in the Los Angeles region. 15c each, $1.50 per dozen.

**WORDEN.** Black and of large size. Said to be a seedling of the Concord, which it greatly resembles. Ripens a few days earlier than the Concord, and is of superior flavor. Berries larger than Concord, bunch large and compact.

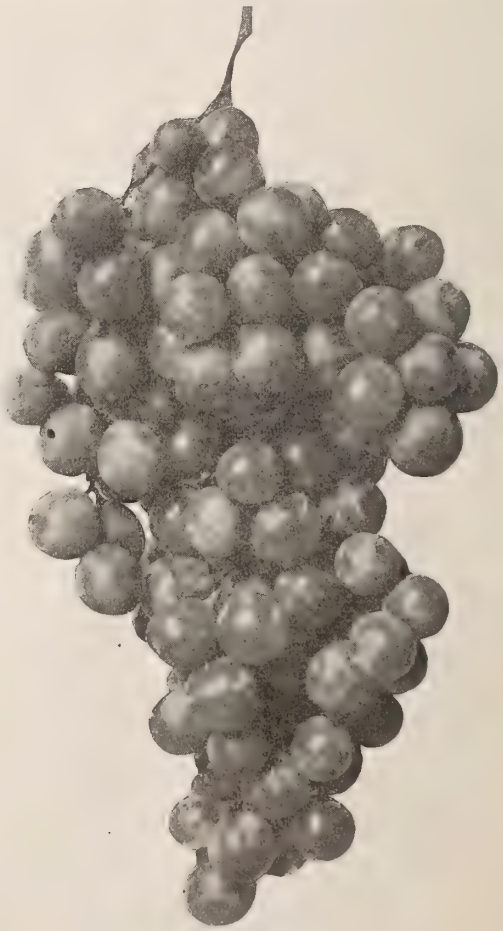
## GRAPES, FOREIGN VARIETIES

Prices 10c each, $1 per dozen

Foreign Grapes are very widely distributed, and heavily grown in California, in fact, the industry is one of the most important in the State. No home garden is complete without a few choice varieties for family use.

The varieties listed below are among the very best and will give entire satisfaction.

**BLACK HAMBURG.** One of the best table Grapes. Bunches very large, berries large, round, black when fully ripe. Flesh sweet and juicy. Very heavy bearer.



MUSCAT GRAPE

### GRAPES, FOREIGN VARIETIES (continued)

**BLACK MALVOISE.** Vine a strong grower. Berries large, oblong, reddish black; flesh juicy, flavor neutral; bunches large, rather loose, an immense bearer. A fine table as well as wine grape.

**MISSION.** The first Grape grown in California. Vine a strong grower. Bunches loose; berries medium size, round, purple-black, exceedingly sweet, juicy and delicious. Skin thin. Very popular.

**MUSCAT OF ALEXANDRIA.** Yellowish green, skin thick, extensively planted for raisins. Vine rather short bushy grower, more of a bush than vine; berry oblong, light yellow, transparent. One of the richest flavored of all Grapes.

**TOKAY.** Berries large, skin thick, pale red, flesh firm and sweet; excellent for table. The leading shipping Grape of the State.

**SULTANA.** Large bunches, berries small, amber colored, seedless; a fine bearer and excellent for raisins. Grows in sandy soil. An immense bearer, producing very large crops.

**THOMPSON'S SEEDLESS.** A prolific bearer; large bunches, berries greenish yellow, seedless, larger than the Sultana; makes a raisin of fine quality and valuable for table use.

**EMPEROR.** Vine vigorous and heavy bearer; berries oblong, rose color; a splendid late variety for the market. A favorite variety on account of it's lateness and good keeping qualities.

**ROSE OF PERU.** Vine a strong grower; bunches very large, rather loose; berry round, large, black, with firm and crackling flesh. Ripens rather late. A popular and fine market variety.

**BLACK PRINCE.** Bunches long, tapering; berries juicy and sweet. A very desirable table Grape.

**BLACK CORNICHON.** Black, late, fine for shipping or market; agreeable flavor. Bunches very large, but loose. Desirable on account of its attractive appearance, curious shape, excellent shipping qualities and late ripening.

**MALAGA.** Immensely productive; berries very large, large bunches, yellowish green. One of the best shipping Grapes, commanding a good price on the Eastern markets.

### NECTARINES

Prices 35c each, $3.25 per 10

**LORD NAPIER.** Pronounced best in flavor at the Pomona Experiment Station. Recommended as a heavy and regular bearer. Large, pale cream color with dark red cheeks; flesh white, melting, tender and juicy, separating freely from stone.

**HARDWICKE.** Probably the best bearer of all Nectarines, a favorite in Southern California. Fruit very large, skin pale green, with deep violet red cheek; flesh pale greenish and high flavored, freestone.

**BOSTON.** Tree hardy and productive; fruit large and handsome, bright yellow, with deep red cheek; flesh yellow and sweet, with a pleasant and peculiar flavor, freestone. A general favorite in California.

**NEW WHITE.** One of the most popular varieties and more freely planted than all other Nectarines combined. Used largely for drying. Fruit large, skin white with slight traces of red; flesh white, tender, very juicy, rich flavor.

### OLIVES

Prices 50c each, size 3 to 4 feet

**MANZANILLO.** The finest Seville Olive, valuable for pickling and oil. Fruit is very large, of a deep black color. Makes fine green and ripe pickles of the very best quality and produces oil of the very highest grade. Tree a regular and prolific bearer. Early October.

### PEACHES, WHITE FREESTONE VARIETIES

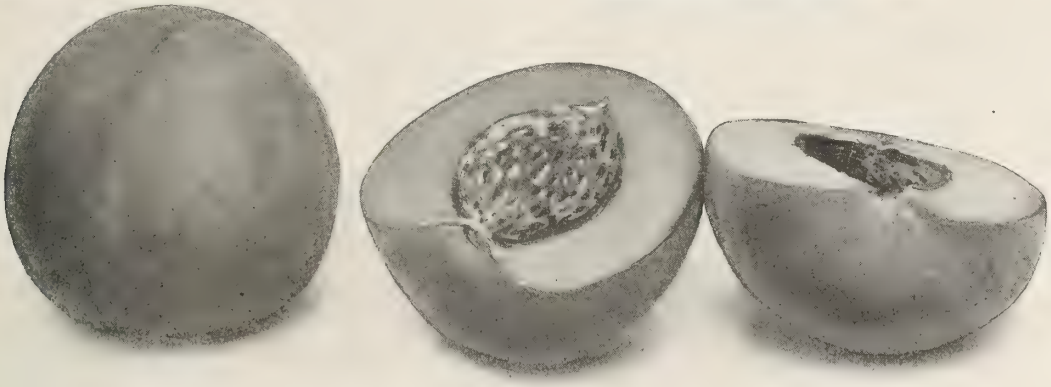
Prices 35c each, $3.25 per 10

**BRIGGS' RED MAY.** Early, very popular; fruit medium to large; skin greenish white with red rich cheek; juicy and sweet. A standard early variety. Middle of June.

**ALEXANDER.** Most widely known as best early variety. Fruit medium to large, greenish white, nearly covered with deep red. Juicy and sweet. Early in June.

**GEORGE IV.** Medium to large fruit; tender and sweet, white with red cheek; flesh pale, juicy and rich. A very popular table variety. End of August.

**STUMP THE WORLD.** Large, strong, skin creamy white, with bright red cheek; flesh white, juicy and highly flavored. Recommended for family use by the Southern California Nurserymen's Association. August.



FOSTER PEACH

### PEACHES, YELLOW FREESTONE VARIETIES

Prices 35c each, $3.25 per 10

**FOSTER** (See Cut). Fruit large, yellow, red on cheek, early, rich and juicy; fine for canning or drying. Uniformly large; flesh yellow, very rich. Last of July.

**EARLY CRAWFORD.** Very large, oblong, skin yellow, with fine red cheek; flesh yellow, rich and excellent; tree very healthy and productive, probably the most largely planted variety in California. Last of July.

**MUIR.** Fruit large to very large; perfect free-stone; flesh clear yellow, very dense, rich and sweet; pit small, a good bearer and strong grower. One of the most popular varieties for canning and especially adapted for drying. August.

**ELBERTA.** Very large, a bright yellow with a beautiful mottled red cheek; flesh yellow, juicy, sweet, high flavored and a perfect freestone. Tree a strong grower, a healthy heavy bearer. One of the best paying varieties for the Southwest. July.

**LATE CRAWFORD.** Very large, yellow with dark red cheek; flesh yellow, juicy and melting, flavor very rich. An old, popular and widely grown variety. August.

### PEACHES, YELLOW FREESTONE (contd.)

**SUSQUEHANNA.** Large, skin rich yellow, nearly covered with red; flesh yellow, sweet, juicy, with rich flavor. Very widely distributed and popular. August.

**LOVELL.** The magnificent peach stands at the head of all other varieties and is a clear yellow, freestone. It's only rival is the Muir, which has very much the same resemblance. It dries heavier than any other variety, and is a good canner, a vigorous grower, heavy bearer and very productive. August.

**SALWAY.** Large, round, skin downy, creamy, rich, clear, crimson cheek; flesh deep yellow, red at the pit, juicy and sweet. A standard late peach. Tree very healthy. September.

### PEACHES, CLINGSTONE VARIETIES

Prices 35c each, $3.25 per 10

**TUSCAN CLING.** A good shipping and canning Peach. Very desirable on account of it's earliness. One of the most popular Peaches among canners and always in heavy demand. July.

**LEMON CLING.** Fruit large, lemon shape, red on sunny side; rather acid in flavor. One of the most popular of all the canning peaches. A heavy and regular bearer. August.

**ORANGE CLING (RUNYON'S).** Superior to the common Orange Cling, and not subject to mildew like the common sort. Fruit very large, yellow, with dark crimson cheek rich, sugary and vinous flavor. July.

**PHILLIP'S CLING.** Preferred by canners to all other clings. Fine large yellow, no color at pit, which is very small, very rich and high colored, flesh of the finest texture September.

**WHITE HEATH CLING.** Very large, white with light shade of red; tender and sweet; good for canning. One of the best clings. Best adapted to interior regions. September.

**HENRIETTA CLING (LEVY'S LATE).** Latest of all clings and highly esteemed for canning and market. A magnificent Peach of large size, skin a deep yellow, flesh deep yellow, firm, sweet and juicy. September.

### PEARS, EARLY VARIETIES

**Prices 35c each, $3.25 per 10**

**MADELINE.** The earliest, fruit medium pale yellow; flesh white, juicy and delicate. June and July.

**BARTLETT.** The most famous and popular of all Pears, and the best for table, shipping, drying and canning. Thrives in all parts of California. Fruit large, smooth, clear yellow; flesh white, fine grained, juicy and highly flavored. August.

BARTLETT PEAR

**SECKEL.** Small but of superlative table excellence; color yellow russet with red cheek; flesh white, very juicy and melting, with a peculiar rich, spicy flavor and aroma. August to September, 3 to 4 feet size.

TUSCAN CLING PEACH

### PEARS, WINTER VARIETIES

**FLEMISH BEAUTY.** Large pale yellow pear; flesh juicy and melting, prolific bearer and very hardy. September and October.

**WINTER NELIS.** Medium, skin yellowish green, dotted with russet; flesh yellowish-white, fine grained, exceedingly juicy and sweet, a fine shipper and splendid keeper. Especially adapted to a warm dry climate. December.

**WINTER BARTLETT.** Fruit large, greatly resembling the famous Bartlett in shape, appearance and flavor, but a little coarser, ripening four months later. Flesh tender, juicy and melting and as good as can be desired. In every way a grand Pear. November.

### JAPANESE PERSIMMONS

**Large size 50c, medium size 35c.**

This is a valuable aquisition to our fruits. The trees are hardy and thrive where the thermometer does not drop below zero. Persimmons are becoming more popular each season, especially for winter fruit, besides they always realize a high figure on the market.

**HACHIYA.** This is acknowledged to be one of the best. Large. Skin orange-red; flesh yellow, soft and jellylike when ripe. Almost seedless.

**HYAKUME.** Very large; skin orange yellow: flesh dark brown, sweet, crisp, and meaty. Not astringent like the preceding one, but good while yet hard.

**TANE-NASHI.** One of the largest. Fruit almost spherical Skin yellow, flesh yellow and seedless. The best of the light-fleshed kinds, fine quality and abundant bearer.

### PLUMS

**Prices 35c each, $3.25 per 10**

**Except Santa Rosa Plum 50c.**

**SANTA ROSA (BURBANK'S NEW PLUM).** We consider this the best of all the new Plums. The fruit is of a dark purplish crimson, in color; the flesh being pale amber near the skin. The quality is unsurpassed and is a valuable plum for both shipping and home uses. Ripens about two weeks earlier than the Burbank. The tree is a splendid grower and of excellent bearing qualities. Fruit of beautiful appearance and delicious flavor. 50c each.

### PLUMS (continued)

**BURBANK.** The best of the Japanese varieties. Fruit large, round, red, flesh yellow, sweet with a very pleasant flavor.

**GREEN GAGE.** Pale green, small, round, juicy, of fine flavor.

**KELSEY JAPAN.** Ornamental and a splendid bearer; fruit large, light red, when ripe of splendid quality.

**SATSUMA.** Large, dark red; flesh red, firm, solid, juicy, and of fine flavor.

**WICKSON.** A deep cherry red; flesh amber, very juicy and delicious flavor. A small pit; ripens in early August and is a valuable shipping plum.

**CLIMAX.** Very early, large size, fine color; delicious flavor; the leader in early shipping plums; tree vigorous and productive.

### PRUNES

**Prices 35c each, $3.25 per 10**

**TRADGEDY.** A valuable early variety. Medium to large, dark purple; flesh yellowish-green, sweet and well flavored, freestone. Fine for eating out of hand. July.

**FRENCH PRUNE.** Violet purple, rich and sugary, medium size, productive, fine for drying; planted extensively on this account.

**HUNGARIAN PRUNE (POND'S SEEDLING).** Very large, reddish violet, juicy and sweet; a vigorous tree and strong bearer; fine for shipping or home market.

### QUINCES

**Prices 35c each, $3.25 per 10**

**PINEAPPLE.** Originated by Luther Burbank. The result of extensive experiments to secure a quince that would cook tender like an apple. The name comes from its flavor, which is suggestive of the Pineapple. Makes an elegant jelly, or can be eaten raw. Late August.

**APPLE OR ORANGE.** Large, fine golden yellow color. Fine for preserves or flavoring, productive and popular. The variety most largely cultivated. September.

**CHAMPION.** Fruit yellow, large and handsome, bears early, and is more productive than the above. Cooks tender and is of excellent flavor.

**SMYRNA.** Fruit very large, of lemon color. A delicious flavor and very tender when cooked. Being a strong grower and heavy bearer with heavy foliage, especially adapted to the interior valleys. One of the best keepers.

GRAFTED (OR BUDDED) WALNUTS

### WALNUTS

**Seedling trees 3 to 4 ft., 35c each, $3.25 per 10**
**" " 4 to 6 ft., 50c each, $4.50 per 10**
**" " 7 to 8 ft., 75c each, $7.00 per 10**
**Grafted trees** (see cut) **4 to 6 ft., $1.00 each.**

**SANTA BARBARA SOFT SHELL.** The nuts are large with thin shell, kernel white and sweet; the favorite variety in Southern California.

**PLACENTIA PERFECTION.** A seedling from the Santa Barbara, and of the best. The nuts command a better pric than any other variety.

**GRAFTED WALNUT TREES.** Four to six feet, $1.00 each.

# BERRY PLANTS

### BLACKBERRIES

**MAMMOTH BLACKBERRY.** A mammoth in growth and unlike any other Blackberry plant. In a favorable season it has attained a growth of 20 feet. The foliage is large and thick and of a deep green color. Fruit is enormously large, some berries being 2¼ to 2½ inches long; ripens three weeks before other kinds. Of delicious flavor and sure to become a great favorite. To obtain the best results plant upon a trellis, which should be set 10 feet apart and set the plants 6 to 8 feet in the rows. 10c each, 75c per dozen. $5.00 per 100.

**CRANDALL'S EARLY.** Ever-bearing, large and firm; good flavor, bears the entire season, ripens early, one of the best. Per doz., 50 cts., $3.00 per 100.

**HIMALAYA GIANT.** A remarkable grower, canes growing 40 feet in a single season. It should be trained on a trellis; a tremendous bearer and good shipper. Very few seeds. For canning and jams it has few equals and is also a fine table fruit. 15 cts. each, $1.00 per dozen, $7.00 per 100.

### CURRANTS

**Prices 15 cts. each, $1.25 per dozen**

Currants do not thrive in the dry heated air of the interior, but do well near the Coast, the comparatively cool and moist air of the ocean favoring them.

**BLACK NAPLES.** Large, black, fine for jams and jellies. 15 cts. each, $1.25 per dozen.

**CHERRY.** Very large, deep red, fine for preserves; productive. 15 cts. each, $1.25 per dozen.

**FAY'S PROLIFIC.** Fully as large as the cherry; early and productive. A new currant that has proven to be one of the very best. 15 cts. each, $1.25 per dozen.

### DEWBERRIES

**GARDENA.** The most popular and best of this class of berries and has proven a great success. Ripens two weeks earlier than any of the Blackberries; berries large, glossy black, sweet and rich. Fine for market and bears very heavy. 10 cts. each, 50 cts. per dozen, $2.50 per 100.

**LUCRETIA.** Produces an abundance of large, glossy black fruit, of excellent quality. Ripens ten days later than the Gardena. 50 cts. per dozen, $2.50 per 100.

### GOOSEBERRIES

The Gooseberry does not thrive in a hot dry climate, but requires a cool and foggy atmosphere; they also produce heavily in mountain sections at an elevation of 5,000 feet.

**DOWNING.** Fruit of good size, light green, oval, skin smooth, of fine flavor. 15 cts. each, $1.50 per dozen.

**HOUGHTON.** Fine grower and a good bearer, pale red fruit, sweet and juicy. 15 cts. each, $1.50 per dozen.

### LOGANBERRY

**LOGANBERRY.** A cross between the raspberry and the blackberry, and partaking of the flavor of both, only more delicious than either. Seeds few; ripens early; excellent for table either raw or stewed. This berry is unlike any other in existence. Fruit very large, dark red and produced in immense clusters. One of the finest berries in existence. The best results are obtained by growing on a low trellis. Plant in rows seven feet apart and six to eight feet in the row. 10 cts. each, 50 cts. per dozen, $2.50 per 100.

## BERRY PLANTS (Continued)

### RASPBERRIES

**EARLY SURPRISE.** A splendid new Raspberry similar in form and color to the Cuthbert. Begins to ripen in April, continuing during the entire berry season; growth very strong; the earliest berry of all to ripen. 15 cts. each, $1.00 per dozen, $7.00 per 100.

**CUTHBERT,** red. Berries very large, rich red, flavor good; a fine shipper, one of the most popular of all Raspberries. 50 cts. per dozen, $2.50 per 100.

### STRAWBERRIES

**Prices 20 cts. per dozen, 75 cts. per 100, $4.50 per 1,000**

**EXCELSIOR.** The earliest strawberry and the best winter bearer. Round, medium, good flavor, color pale red. Brings high prices as a winter berry.

**BRANDYWINE.** Plant a luxuriant grower. Fruit large, conical; flesh firm, glossy red, of fine quality. A medium to late variety, exceedingly popular, heavily grown and a splendid shipper.

**KLONDIKE.** A medium early variety of recent introduction. Fruit beautiful and uniform in shape; a rich blood-red in color; juicy and delicious in flavor. Well worth planting. A new berry, becoming very popular and grown heavily for market.

### MISCELLANEOUS FRUITS

### THE AVACADO

**PERSIA GRATISSIMA (AVACADO OR ALLIGATOR PEAR).** A splendid tropical fruit, native of the West Indies and Mexico. Fruit very large, pear shaped, skin a greenish-purple. Flesh yellowish-green, firm, of an exquisite taste; eaten as a salad. The taste, like the olive, must be acquired. Fruit commands large prices on the market. Tree a fast grower, attaining a height of 20 to 30 feet. Rather susceptible to frost. Strong young trees from 6 inch pots, $1.00 each.

### THE CUSTARD APPLE

**CHERIMAYA (OR PERUVIAN CUSTARD APPLE).** A fine tropical fruit. Trees grow to be as large as the Orange, producing large sized, heart shaped fruit, soft, sweet, exceedingly rich flavor, pleasant to the taste. Rather susceptible to frost. 75 cts. to $1. each.

### GUAVA

**STRAWBERRY.** A shrub or small tree of bushy growth. Very heavy bearer, producing fruit of a strawberry flavor the size of a small plum. Fruit round, deep red; very fine for table, preserves or jellies. Every home should have a few of these valuable plants in the garden. 15 cts, 25 cts. 35 cts. and 50 cts. each.

### LOQUAT.

An evergreen tree attaining a height of 15 to 20 feet, large glaucous leaves of a compact habit. Valuable as an ornamental, shade and fruit tree. The fruit is very desirable and popular; also makes a splendid jelly. One of the earliest fruits to ripen. Our trees are grown from selected seeds. Fine large trees balled, or in 5 gallon cans. $1.00 to $1.50 each.

# ROSES

The Rose is so generally known that little need be said regarding its cultivation, all that is needed being a good, deep, rich soil, liberal manuring and careful cultivation. While there are thousands of varieties of Roses grown, we have selected the following as being, in our judgment, the very best varieties known. All of our Roses are field-grown and range in height from 18 to 24 inches, measured from the shank up. All roses not listed as "Climbing," are of the Bush variety.

### KEY TO ABBREVIATIONS

| | |
|---|---|
| E T | Everblooming Tea Roses |
| H T | Hybrid Tea |
| H P | Hybrid Perpetuals |
| Pol | Polyantha (Baby Roses) |
| Cl T | Climbing Teas |
| Cl H T | Climbing Hybrid Teas |
| Cl N | Climbing Noisette |
| H C | Hardy Climbers |
| Cl Pol | Climbing Polyantha (Baby Roses |

### NEW AND RARE VARIETIES

**Prices, 50 cts. each, six varieties for $2.50.**

### NEW BUSH VARIETY

**ETOILE DE FRANCE** (H. T.). Bright crimson, buds long and graceful, plant is of a strong growing habit, and a good bloomer; one of the best.

**FRAU KARL DRUSCHKI** (H. P.). The handsomest snow white rose ever introduced; free bloomer, long stems and beautiful foliage.

**GENERAL McARTHUR** (H. T.). One of the best ever-blooming varieties, producing great quantities of deep scarlet flowers, and a very robust plant.

**KILLARNEY** ((H. T.). A beautiful shell-pink rose, fragrant and a free-bloomer. Buds are long and fine for bouquets. The most popular pink rose of the day.

**MME. ABEL CHATENAY** (H. T.). This splendid rose of novel color, golden pink, flushed with salmon, is a vigorous grower, producing large flowers and magnificent buds. Very rare and fine for use as a cut-flower.

**MME. JULES GROLEZ** (H. T.), Pink Kaiserin. One of the best in the collection; a beautiful satiny china-rose color, very bright and attractive, flowers of large size, very double, of good form and remarkably free-flowering; a distinct and pretty rose, which should be planted extensively.

### NEW AND RARE CLIMBING ROSES

**Prices, 50 cts. each; six varieties for $2.50.**

**PINK CHEROKEE** (Climber). A form of the wellknown white Cherokee, having every desirable quality of the latter, but blooms more profusely; a beautiful salmon-rose color. Mildew proof. An exceptionally fine novelty in roses, charmingly effective for pergolas, fences, arbors, covering banks and terraces. Adapted to California, Arizona and all milder sections of the country.

**CLIMBING CECIL BRUNNER** (Cl. Pol.). An exact counterpart of Mme. Cecil Brunner, except that it is a very vigorous, rapid climber. Its large clusters of rich pink blossoms and pronounced sweet fragrance make it one of the most valuable roses for table and house decorations.

**CLIMBING KAISERIN** (H. T.), (Mrs. Robert Peary.) Hardy ever-blooming climbing, pure white rose, and blooms continuously from the first season. The flowers are large, very double, and exquisitely fragrant. It certainly has no superior.

**CLIMBING MME. TESTOUT** (H. T.). A beautiful bright clear pink rose, new variety and rapid climber; flowers large and handsome.

**CLIMBING PERLE DES JARDINS** (T.). This free-blooming bright golden yellow rose is equalled by none. Being a hardy variety, it is one of the best climbers in existence, and in great demand.

**MARECHAL NIEL** (Cl. T.), (Climber). A rich, deep golden yellow, of the most delicious fragrance. One of the finest and most popular of all climbing roses.

## ROSES (continued)

### GENERAL COLLECTION

**Roses listed at 25 cts. each are $2.50 per dozen.**
**Roses listed at 30 cts. each are $3.00 per dozen.**
**Roses listed at 35 cts. each are $3.50 per dozen.**

**NOTE: Between January 1 and March 31, roses are dormant and shipped with naked roots. After April 1,** they are **"potted" in one gallon cans,** as the dormant season is generally over by that time of the year, and the sap has started to flow. **After roses are in cans, as above, all 25 ct. plants are 35 cts. each, $3.50 per dozen; 30 ct. plants are 35 cts. each, $3.50 per dozen; 35 ct. plants, 40 cts. each, $4 per dozen.**

The increased cost of handling roses after April 1 necessitates the increase of price as noted.

Roses in cans will weigh about 8½ lbs. on the average.

On shipping orders via Express, we "ball" the plant out of the can on long distance shipments (unless otherwise ordered), to save customers transportation charges. Roses balled by our method will weigh on the average 4½ pounds; naked roots 1 to 1½ pounds. Customers selecting their own roses are respectfully requested to add to the orders a few supplementary varieties, lest, by previous orders, the stock of any particular variety should be exhausted.

### BUSH VARIETY

**ALICE ROOSEVELT** (H. T.). A sport from Mme. Chateney; of brilliant color, red bud, deep pink when open. 35 cts. each.

**AMERICAN BEAUTY** (H. P.). Deep, brilliant, rose carmine, shading toward the center to a rich carmine-crimson. Very fragrant. Each 35 cts.

**BABY RAMBLER** (Pol.). A novelty in roses; the flowers are similar in character and color to the Crimson Rambler, but the plant is a dwarf, erect-growing bush and a free bloomer. 25 cts. each.

**BELLE SIEBRECHT** (H. T.) A superb pink rose of recent introduction. The buds are long and pointed and when half-blown the petals reflex in a graceful manner. The flowers have great substance and the petals are of heavy texture. 35 cts. each.

**BESSIE BROWN** (H. T.). White, sometimes faintly flushed pink; a rose of transcendent beauty. One of the largest and fullest we have ever seen; an erect and vigorous grower, flowering profusely all summer. 25 cts. each.

**BLACK PRINCE** (H. P.). Unapproachable in its color, being a blackish crimson, darkest in the bud. As it opens, smoky shades of crimson are brought out, giving it an extremely rich effect. 25 cts. each.

**BRIDE** (E. T.). A white rose of very large size. Its form is perfect and fragrance unexcelled. It is a vigorous grower and a free bloomer. 25 cts. each.

**BRIDESMAID** (E. T.). This is a "sport" from Catherine Mermet, and while it possesses all the good characteristics of its parent, it surpasses it in color, being a deep bright pink. 25 cts. each.

**CAPTAIN CHRISTY** (H. P.). Delicate flesh color: darker toward the center. 30 cts. each.

**CATHERINE MERMET** (E. T.). A rapid grower, profuse bloomer; long stems, well-developed flower of pink color, shading to flesh. 25 cts. each.

**CECIL BRUNNER** (Pol.). This, the "Baby Rose," is a very small, perfectly formed Rose of pink color, largely used for table decorations. 25 cts. each.

**CLOTHILDE SOUPERT** (Pol.). A polyantha rose; pearly white, shading to white at edge. 25 cts. each.

**DUCHESSE DE BRABANT** (E. T.). Very strong, rapid grower, profuse bloomer, and one of the most popular pink roses in cultivation. 25 cts. each.

**DUCHESS OF ALBANY** (H. T.), (Red La France). Rich, dark pink, good form, and free bloomer. 25 cts. each.

**ETOILE DE LYON** (T.) This is considered one of the finest yellow bedding roses for outside planting; one of hardiest in the Tea section, blooms freely, and every flower is a gem; equals Marechal Neil in size, on strong bushes; color a deep chrome yellow, a remarkable rose, deserving extensive culture. 35 cts. each.

**FRANCISCA KRUGER** (E. T.). Coppery yellow; fine buds. 25 cts. each.

**GENERAL JACQUEMINOT** (H. P.). Brilliant dark crimson, a most popular rose, quite large. 30 cts. each.

**GLOIRE DE MARGOTTIN** (H. P.). Bright, dazzling scarlet; a very fine flower. 35 cts. each.

**GLOIRE DES ROSOMANES** (Ragged Robin). Without exception, the most constant and free-blooming of all roses; flowering well during the winter season unless checked by frost. Large, semi-double flowers of brilliant crimson hue. Unexcelled for hedge or tall borders. 25 cts. each.

**GRUSS AN TEPLITZ** (H. T.). One of the best-hardy, ever-blooming roses for outdoor planting; color rich crimson, quickly turning to fiery red. Flowers large and fragrant; a constant bloomer and vigorous grower. 25 cts. each.

**HELEN GOULD** (H. T.), (Baldwin). A deep crimson, hardy and profuse bloomer. 25 cts. each.

**JUBILEE** (H. P.). Deep velvet crimson with red shadings, one of the best dark roses grown; awarded gold medal by Mass. Horticultural Society. 35 cts. each.

**KAISERIN AUGUSTA VICTORIA** (H. T.). A hybrid tea rose of a soft pearly white color, tinged in the center with lemon. It is very fragrant; a strong, vigorous grower with beautiful foliage. 25 cts. each.

**LA FRANCE** (H. T.). One of the largest and most beautiful of all roses, both in the bud and in full bloom; peach-blossom color, and of the richest fragrance. 25 cts. each.

**MADAM LOMBARD** (E. T.). An incessant bloomer, and strong grower, producing fine flowers of a rosy-bronze, shaded with carmine. A novelty; very fragrant. 25 cts. each.

**MAGNA CHARTA** (H. P.) Flower a bright pink suffused with carmine; very handsome and of a vigorous habit of growth. 35 cts. each.

**MAMAN COCHET** (E. T.). One of the best for summer-blooming. The buds are of a beautiful, light pink color which is retained in the open flower. The blooms are delightfully fragrant, and are held erect on long stems. 25 cts. each.

**MARIE VAN HOUTTE** (E. T.). Pale, creamy yellow, edge of petals shaded salmon-pink. This is a universal favorite. 35 cts. each.

**METEOR** (H. T.). This rich, dark crimson rose is becoming more popular every year, owing to its excellent properties as a cut flower variety. 25 cts. each.

**MME. CAROLINE TESTOUT** (H. T.). Brilliant satiny pink. 25 cts. each.

**MME. PERNET DUCHER** (The Yellow La France), (H. T.). Flowers semi-double; beautiful buds, which are borne in great profusion; color bright canary yellow; bush of strong robust growth; a grand garden sort. 25 cts. each.

**MRS. B. R. CANT** (H. T.). A beautiful new rose on the style and of Papa Gontier color—rich glowing carmine; the buds are large and full; it is a very free grower and bloomer. This variety has come to stay. 35 cts. each.

**PAPA GONTIER** (E. T.). Considered by many to be one of the finest roses yet produced. It is of a pleasing cherry-red color toward the edge of the petals, shading to deeper tone at the base. A strong, vigorous grower, with a remarkable fragrance. 25 cts. each.

**PAUL NEYRON** (H. P.). The largest rose grown, the flowers being many inches in diameter. Color pink; long stems; beautiful foliage. 30 cts. each.

**PERLE DES JARDINS** (E. T.). This is a Tea Rose of a rich shade of yellow, and is unexcelled by any rose of its color; large flowers, perfect form, healthy, vigorous grower. 35 cts. each.

## ROSES (continued)

**PRINCE CAMILLE DE ROHAN** (H. P.). Very deep crimson. Will give excellent satisfaction to those desiring a dark red rose. 30 cts. each.

**RAINBOW, IMPROVED** (T.) The color is a lovely shade of deep coral pink, beautifully striped and mottled in the most unique manner with intense glowing crimson, elegantly colored at center with rich golden amber; makes beautiful buds, and the flowers are extra large, very sweet, and of great depth and substance. 35 cts. each.

**RICHMOND** (H. T.). A grand new hybrid tea rose, strong grower, long stems, choice buds, bright scarlet. 35 cts. each.

**SAFRANO** (E. T.). An old standard variety, highly valued for its handsome buds and flowers; of bright apricot-yellow, changing to orange. A fine outdoor variety. 25 cts. each.

**SOUVENIR DE PRESIDENT CARNOT** (H. T.). This rose has few equals and no superior. Its growth is vigorous and its foliage a beautiful dark green. The flower is very large, double to the center, and its color is a soft, rosy flesh. 25 cts. each.

**SOUVENIR DU WOOTTON** (H. T.). A beautiful shade of deep crimson, exquisitely fragrant, a constant, prolific bloomer, long stems. 25 cts. each.

**SUNSET** (E. T.). One of the finest Tea Roses grown. It is a large, double, coppery yellow rose of the most delicious fragrance; a very free bloomer. 35 cts. each.

**ULRICH BRUNNER** (H. P.). This is a most excellent rose, both in flower and foliage. The bloom is large, cherry-red and very fragrant. The foliage is almost thornless. 30 cts. each.

**WHITE BABY-RAMBLER** (New). Pure white flowers, showing the yellow stamens very prettily, produced in large candelabra-shaped trusses. 35 cts. each.

**WHITE LA FRANCE** (H. T.), (Augustine Guinoiseau). Being a sport from La France, it has the same form and habit. It is pure white, with a rich fragrance. 25 cts. each.

**WHITE MAMAN COCHET** (E. T.). A pure white, hardy, ever-blooming rose of superior size, fragrance and profusion. Rivals the best. 25 cts. each.

### CLIMBING ROSES

**CLIMBING PAPA GONTIER** (Cl. T.). This is a new variety, with the fine form and color of the favorite bush rose of same name; a vigorous grower. 30 cts. each.

**CLIMBING WOOTTON** (Cl. H. T.). A handsome velvety-red color, strong grower, and a superior red climbing rose. 30 cts. each.

**CLOTH OF GOLD** (Chromatella), (Cl. T.). A large, deep yellow rose, very full, and a free bloomer; hardy. 30 cts. each.

**CRIMSON RAMBLER** (Cl. Pol.). Rich, crimson roses in magnificent clusters, every cluster a bouquet. Hardy, rapid grower. 30 cts. each.

**DOROTHY PERKINS** (H. C.). A splendid rose with the habit of the Crimson Rambler. Its color is a beautiful shell-pink, and the sweet-scented flowers are borne in clusters of from 30 to 50 blooms each. 30 cts. each.

**GOLD OF OPHIR** (Cl. N.), (Beauty of Glazenwood). A beautiful rose; yellow suffused coppery red. Very full and a free bloomer. 30 cts. each.

**LAMARQUE** (Cl. N.). A pure white, continuous bloomer. This is a universal favorite. 30 cts. each.

**MADAM ALFRED CARRIER** (Cl. N.). Color, shell-pink, a robust grower and profuse bloomer. A great favorite in this climate. 30 cts. each.

**PHILADELPHIA RAMBLER** (H. C.). Quite an improvement on the "Crimson Rambler," the flower being much deeper, and a more intense crimson. 30 cts. each.

**REINE MARIE HENRIETTA** (Cl. T.). A strong grower, producing large, handsome buds and flowers of a cherry-red; a free bloomer and very fragrant. 30 cts. each.

**REINE OLGA D'WURTEMBURG** (H. T.). Clear cherry-red; fine large double flowers; borne in clusters. A strong rampant grower. 30 cts. each.

**REVE D'OR** (Cl. N.). Yellowish buff in color; a very free bloomer with handsome buds. 30 cts. each.

**SINGLE CHEROKEE.** A pure white, showy rose, but not fragrant. It is extensively used for hedges. 30 cts. each.

**WHITE BANKSIA** (Cl. T.). Flowers small, white, in clusters on thornless stems. 30 cts. each.

**WM. A. RICHARDSON** (Cl. N.). Orange yellow; very distinct. 30 cts. each.

**YELLOW BANKSIA** (H. C.). Small yellow flowers on thornless stems. 30 cts. each.

### STANDARD OR TREE ROSES

We can supply a fine grade of Tree Roses, budded on single stems, three to four feet from the ground. **$1.25 each.**

# ORNAMENTAL DECIDUOUS TREES

This class of trees furnishes ample shade and ornamentation of grounds during the summer season, dropping the leaves in winter, when shade is not desired. 4 to 6 feet 50 cts., 6 to 8 feet and up 75 cts. and $1.

**NOTE. To supply the trade after the dormant season is over (April 1), we carry some of the above varieties in 5 gallon cans. Price, 25 cts. per tree higher.**

**ASH** (Arizona). A rapid growing tree, suitable for planting in arid regions where shade is required in summer time and sunshine in winter.

**ASH** (White). A tall, very straight tree with broad round head and dense foliage of a dull bluish-green color. A magnificent avenue tree, adapting itself readily to California soils and climatic conditions.

**COTTONWOOD.** A very rapid growing tree, with spreading head. For quick shade it is invaluable. It adapts itself to almost any situation, but is very partial to moist places.

**ELM** (American). This beautiful tree grows in many parts of the United States; is one of the best deciduous trees, and grows quite tall.

**LOCUST** (Black). Native of North America, with spreading branches; a rapid grower; grown extensively for lumber; white flowers.

**MAPLE** (Silver). The favorite eastern shade tree; also does well in this climate. Foliage very striking.

**MAPLE** (Norway). A large handsome tree, with broad, deep green foliage, and of very compact growth, rendering it one of the most desirable varieties for the street, park or garden. A valuable variety in the interior valleys.

**MULBERRY DOWNING.** A quick grower, producing good fruit and shade.

**MULBERRY** (Lick's American). On of the best fruiting varieties, black and exquisite flavor. Height 60 ft.; a thrifty grower.

**MULBERRY** (Russian). Attains a height of 50 ft. Tree of a spreading habit, rapid growth, and conspicuous for its rather large dark green, glossy leaves.

**POPLAR** (Carolina). An upright growing tree, pyramidal head, large glossy deep green leaves. One of the best for street shade.

**SYCAMORE.** One of the best forest shade trees; a rapid grower.

**TEXAS UMBRELLA TREE.** One of the most beautiful shade trees. A rapid grower with very dense umbrella head, giving abundance of shade all summer. There is no better tree for the desert home. 3 to 4 ft. trees, 40 cts. each; 4 to 5 ft. trees, 50 cts. each; 5 to 6 ft. trees 60 cts. each; 6 to 8 ft. trees 75 cts. to $1 each.

**WALNUT** (Black). A robust tree, beautiful foliage, dense spreading top; wood very durable.

# ORNAMENTAL DECIDUOUS SHRUBS

**CRAPE MYRTLE.** A handsome, deciduous shrub that produces an abundance of very showy flowers. In three colors: pink, crimson and white. In pots, 50 cts. each; larger plants, 50 cts. to 75 cts.

**LEMON VERBENA** (Aloysia Citriodora). Well known fragrant (Lemon scented) shrub. In pots 8 inches to 12 inches high, 15 cts to 25 cts. In gallon cans 2 to 3 ft., 35 cts to 50 cts.

**LILAC.** See Syringa.

**SNOWBALL.** See Viburnum.

**SPIRAEA REEVESIANA** (Bridal Wreath). A well-known favorite shrub, producing immense quantities of white flowers. 25 cts. to 50 cts. each; in 5 gallon cans, 75 cts.

**SPIRAEA VAN HOUTTE** (Van Houtte's Bridal Wreath). The finest of all the white varieties. When in flower, a complete fountain of white bloom, the foliage hardly showing at all, so dense and profuse are the blooms. This has been a great favorite wherever tried. 50 cts. each; in 5 gallon cans $1.

**SPIRAEA** (Anthony Waters). Crimson Spiraea, a valuable addition to our list of shrubs, strong grower, free bloomer, not only during the summer, but also during the fall. In every way a grand Spiraea. In gallon cans, 35 cts to 50 cts.; larger plants in 5 gallon cans, 75 cts. and $1.

**SYRINGA PERSICA** (Persian Lilac). A superb variety, with small foliage and bright purple flowers. 50 cts. each.

**SYRINGA VULGARIS** (Common Lilac). A well-known, beautiful shrub, with large trusses of fragrant, bluish-purple flowers. 50 cts. each.

**SYRINGA VULGARIS ALBA.** A white variety of the above. 50 cts. each.

**TAMARIX** (The Tamerists). A graceful shrub, with feathery, cypress-like leaves and large panicles of showy pink flowers. Blooms during early summer. Thrives in all soils and locations, whether by the seashore or hot interior valleys. 3 to 5 ft. plants in gallon cans, 25 cts. each.

**VIBURNUM OPULUS. VAR. STERILIS** (Snowball, or Guelder Rose). A favorite shrub with clusters of pure white flowers. 35 cts. and 50 cts. each.

# ORNAMENTAL EVERGREEN PLANTS

**ARAUCARIA,** See pages 78 and 79.

**ASPARAGUS FERNS,** See page 88.

**ASPIDISTRA LURIDA.** Native of China. The leaves of this variety are long, broad, shining dark green. A splendid house plant. In 4 in., 5 in. and 6 in. pots. Pots average 5 to 10 leaves according to size. 10 cts. per leaf.

ABYSSINIAN BANANA

**ASPIDISTRA ELATIOR VARIEGATA.** Foliage green with broad stripes of white. Sizes of pots, same as above. 15 cts. per leaf.

**AZALEA INDICA.** A beautiful plant for the house, coming into flower during the winter when flowers are most appreciated. We have an assortment of varieties, colors pink, red and white. Large plants, $3 each.

**BANANA, ABYSSINIAN** (Musa Enseta, see Cut). This magnificent foliage plant, if planted in the open ground, and given plenty of water attains a height of 12 ft. in one season. Is also used as a decorative tub plant. The fruit of this variety is not edible, but the leaves are magnificent, long, broad and massive, of a beautiful green, with a broad crimson midrib. Does not sucker. In 5 gallon cans, 3 to 4 ft., 75 cts.; 4 to 5 ft., $1; 5 to 6 ft., $1.25 to $1.50. In 12 inch Japanese tubs, $1.50 to $2. In 18 inch Japanese tubs, $2.50.

**BAY TREES,** "Laurus Nobilis." Handsome ornamental trees, trained in pyramids and globes. Excellent for hotel and other places where a striking effect is desired. Pyramids in tubs. Standard or globe shape in tubs.

| | | | | |
|---|---|---|---|---|
| Small | size, | 28-36-in. stems, | 26-28-in. heads, | $22.50 pair |
| Medium | size, | 44-50-in. stems, | 24-26-in. heads, | $25.00 " |
| Large | size, | 44-50-in. stems, | 36-in. heads, | $40.00 " |
| | | 44-50-in. stems, | 40-42-in. heads, | $50.00 |
| Extra | large | 44-50-in. stems, | 46-48-in. heads, | $75.00 " |

**Pyramid shape 5 ft. high, $20 per pair.**
**Pyramid shape 6 to 7 ft. high, $35 per pair.**

**SPECIAL.** Pyramidical unshaped Bay trees, in 20 inch Japanese tubs, 8 to 10 feet, $15 to $25 each.

**BOX WOOD** (Buxus sempervirens). A European shrub of very dense growth, leaves small, dark glossy green. Can be used as a hedge plant, but shows to better advantage when grown alone and used as a decorative plant. When set in Japanese tubs and placed on the porch or pedestals, gives a striking appearance to the place. 5 ft. plants well shaped, $8 each; 6 ft. plants, $10 each. The above plants are in large 20 inch tubs. Untrimmed pyramids, in 10 in. pots, 2 ft. $2.00 each, $3.50 per pair; *Ball shaped* (specimen plants) in 12 in. Japanese tubs, 15x15 in., $4.50 each, $8.00 per pair; 18x18 in., $5.50 each, $10 per pair.

**CAMELLIA JAPONICA.** Among the most beautiful winter flowering evergreen shrubs, handsome shining, dark green leaves, and magnificent, wax-like flowers of the following colors, red, white, pink and variegated. This plant is hardy, does well in the house or conservatory and outdoors, but should be planted in a shady location. Fine plants 2 to 3 ft., $1 to $1.50.

**Coleus,** **See page 84.**

**CYCLAMEN GIGANTEUM.** One of the finest plants for house and greenhouse culture. Flowers beautiful; very ornamental for winter and spring flowering; assorted colors. 50 cts. to 75 cts. each.

**Lotus,** **See page 88.**

# ORNAMENTAL EVERGREEN TREES

## ACACIA

The acacias are all natives of Australia and Tasmania. The wood is valuable, they are all of rapid growth and produce their various shades of yellow flowers in great profusion. For quick growth and shade-affording purposes, we know of no better tree. We specialize the Melanoxylon (Black Acacia), Floribunda (abundance of flowers) and the Baileyana.

**BAILEYANA.** A small, handsome tree with glaucous foliage and covered with bright yellow flowers in the Spring. So profuse are the flowers they almost drown the foliage; very popular as a cut flower. This tree is an ornament to any garden. One of the finest of the Acacia trees. In gallon cans 2 to 3 ft., 50 cts. to 75 cts.; 3 to 4 ft., $1 to $1.25. In 5 gallon cans, 4 to 6 ft., $2 to $2.50 each.

ACACIA MELANOXYLON (BLACK ACACIA)

**CULTRIFORMIS** (Knife-Leaved Acacia). Foliage of this variety is triangular in form; color beautiful sea-green; profuse in bloom; of medium sized growth. A splendid variety. 3 to 4 ft. 75 cts.; 4 to 5 ft. $1 each.

**DEALBATA** (Silver Wattle). A handsome strong growing shade tree for planting on lawns and in parks; also one of the best for streets. Feathery foliage of a bluish-gray color. In pots or cans, 40 cts. to 50 cts.

**DECURRENS** (Green Wattle). (See cut of flower, page 56). One of the best trees for street planting. Similar to the Dealbata. In pots or cans 3 to 4 ft. 40 cts. to 50 cts.

**FLORIBUNDA** (30 feet). A rapid upright growing tree, with long narrow leaves; small bright yellow flowers; blooms heavily all summer. A splendid variety. We have an exceptionally fine stock on hand in 1 gallon cans, 3 to 4 ft. 40 cts. to 50 cts.; 4 to 6 ft. 60 cts. to 75 cts. Special prices on large quantities.

**LATIFOLIA.** Resembles the "Melanoxylon" variety, but leaves are longer and the tree more floriferous. In pots or cans 3 to 4 ft. 50 cts; 4 to 5 ft. 60 cts. to 75 cts.; in 5 gallon cans, 7 ft. and up, $1.50 to $2 each.

**LOPTHANTHA.** Of a very rapid growth; very nice when young, but rather coarse as it grows older. When a quick growth is desired, this tree will be found desirable. 4 to 5 ft. in gallon cans 35 cts. to 50 cts. each.

**MELANOXYLON** (Black Acacia). (See cut this page). The best of the Acacias for street planting, and very extensively planted of late. A rapid grower. We have a large and fine stock in 1 gallon and 5 gallon cans. Prices in 1 gallon cans 4 to 6 ft. 50 cts. to 75 cts.; 6 to 8 ft. $1; 6 to 10 ft. in 5 gallon cans, $1 to $1.25. Special prices on large quantities.

**MOLLISSIMA** (Black Wattle). A fine erect growing tree, with glaucous green feathery foliage; flowers yellow, produced in early Spring in great profusion. In pots or cans, 3 to 4 ft. 40 cts. to 50 cts.

**PYCANTHA** (Golden Wattle). See cut on page 57. Leaves long and broad; flowers in long solitary auxiliary spikes. In pots or cans 3 to 4 ft. 50 cts.; in 5 gallon cans 4 to 6 ft. 75 cts. and $1.

## ARAUCARIA

**BIDWILLII** (Bunya-Bunya). A magnificent tree for planting on lawns or in parks. Many fine specimens may be seen in Los Angeles. In pots 4 to 5 ft. $5. Specimen plants 6 to 8 ft. high, very bushy $25 to $30 and $35 each.

ARAUCARIA EXCELSA

**EXCELSA** (see cut) (Norfold Island Pine). One of the handsomest trees for planting on lawns and in parks, also **extensively used as a decorative pot-plant,** pyramidal form and an ornament to any garden. The branches on old trees come out in tiers 3 to 4 ft. apart, therefore do not obstruct the view. Small plants 2 to 3 tiers 75 cts., $1 and $1.25; 3 to 4 tiers $1.50, $2 and $2.50, averaging $1 to $1.25 per foot in height.

## ORNAMENTAL EVERGREEN TREES (Continued)

**EXCELSA COMPACTA ROBUSTA.** Foliage very heavy, strong and sturdy, which in this respect differs from A. Excelsa. Fine pot grown plants 2 tiers $1 to $1.50; 3 tiers $2 to $2.50; 4 tiers $3 to $3.50, averaging $1.50 per foot in height.

**EXCELSA GLAUCA.** Another of the A. Excelsa type, in character of growth, and one of the handsomest of all the family. Foliage a beautiful glauca green. Pot grown plants, 2 tiers $1 to $1.25; 3 tiers, $1.75 to $2.25; 4 tiers $3 to $3.50, averaging $1.50 per foot in height.

### CAMPHOR TREE

**CAMPHORA OFFICINALIS.** The cleanest of all shade trees, and hardy in this climate; is considered to be one of the finest street shade trees; a fast grower, and requires little treatment. The beautiful light green, glossy foliage is an attraction all the year, while in the spring the new growth comes out a reddish brown and turns to green. In gallon cans 3 to 4 ft. high 50 cts.; 4 to 5 ft. 75 cts.; 5 to 6 ft., $1 each. A very large assortment in 5 gallon cans, 5 to 8 ft. high at $1.25 to $1.50. Special prices on large quantities.

### CAROB TREE

**ST. JOHN'S BREAD.** A handsome shade tree, with round spreading top and small glossy green leaves, bearing large edible pods. In 5 gallon cans $1 to $1.50 each.

### CASUARINA

**BEEF-WOOD or SHE-OAK.** A beautiful shade tree and odd in appearance; needle shaped leaves, wood very hard and valuable. Remarkable for rapid growth. Tree grows well in brackish and alkaline soils and endures the heat of the interior. We have a large and fine stock to offer. In gallon cans, 3 to 4 ft. 50 cts.; 4 to 5 ft. 60 cts. to 75 cts.; 5 to 7 ft. $1 to $1.50. In 5 gallon cans 6 to 8 ft. $1.50 to $2. Special prices on large quantites.

### CEDRUS DEODORA

**HIMALAYAN CEDAR.** An exceedingly beautiful tree with drooping branches and silvery green foliage. A noble looking tree wherever planted; very rapid grower. In pots 1 to 2 ft. high 75 cts. to $1; 3 to 5 ft. $2.75 to $3.50; larger sizes $5 to $7.50 each.

### CYPRESS (CUPRESSUS)

**GUADALUPENSIS** (Blue Cypress). One of the quickest growing of the Cypress family. An erect grower, pyramidal form, foliage a beautiful glaucous green. In pots 2 to 3 ft. 50 cts. to 60 cts.; 3 to 4 ft. 75 cts. to $1; 6 to 8 ft. $2 to $3.

**LAWSONIANA** (Lawson Cypress) (See Cut). A native tree, and does well in this country. Being quite hardy, the nature of this tree is to grow bushy and erect with beautiful drooping branches with dark green glossy leaves, which have a silvery tinge 3 to 4 ft. high $1.25 to $1.50; 4 to 5 ft. high $1.75 and $2; 5 to 6 ft. high $2.50.

**MACROCARPA** (Monterey Cypress). A native of this state, a rapid growing variety, and can be trimmed into any shape. This fact, combined with its dense foliage, makes it very valuable for hedges and wind-break purposes. When allowed to grow in tree form it is one of the best shade trees. We can supply small plants in boxes of 100 plants at $1.50 per box. In pots 2 to 3 ft. high 25 cts. each; 3 to 4 ft. high 35 cts.; 4 to 5 ft. 50 cts.

**SEMPERVIRENS** (Italian Cypress). This is the favorite cypress for planting in cemeteries, Italian gardens, and at the entrance of drive-ways and walks. Being a tall narrow growing tree it is extensively used for arches. The branches are erect and grow close to the trunk. Foliage a dark green. In pots 2 to 3 ft. 50 cts.; 3 to 4 ft. 75 cts. In 5 gallon cans 4 to 6 ft. $1 to $1.50 each; 6 to 8 ft. $2 to $2.50.

### EUCALYPTUS

**E. CORNUTA** (Yate tree). Resists heat and alkali to a remarkable degree. In flats of 100 plants, $2. $15 per 1,000.

**CORYNCALYX** (Sugar Gum). (See cut page 58) One of the best of the family for a shade tree, and is being planted extensively as an avenue tree; wood very hard. In gallon cans 25 cts. to 50 cts. In flats of 100 plants, 4 to 8 inch, $2; $15 per 1,000.

**E. DIVERSICOLOR** (Karri Gum). Prices same as above.

**E. RUDIS** (Desert Gum). Prices same as above.

**E. TERETICORNIO** (Gray Gum). Prices same as above.

LAWSON CYPRESS

**E. FICIFOLIA** (Scarlet Flowered Gum,) See cut page '59 This handsome tree should be in every garden; a rapid grower and excellent shade tree, dark green leaves and immense clusters of bright scarlet flowers. Trees 4 to 6 ft. $1 each.

**E. GLOBULUS** (Tasmania Blue Gum). In pots 15 cts., 25 cts. and 35 cts. In flats of 100 plants, $1.50 per flat, $12.50 per 1,000.

## ORNAMENTAL EVERGREEN TREES (Continued)

**E. ROSTRATA** (Red Gum), see cut page 60. In gallon cans 25 cts. and 35 cts. In flats of 100 plants, $2 per flat, $15 per 1,000.

For further descriptions of Eucalyptus turn to pages 58, 59 and 60.

**FICUS AUSTRALIS** (Australian Banyan Tree). One of the most remarkably large spreading trees of tropical Australia, standing the climate of California perfectly. **Is also used as an ornamental pot plant, and extensively for decorative purposes.** We have a large assortment to offer. In pots 12 to 24 inches 50 cts. and 75 cts.; 2 to 3 ft. $1; 3 to 4 ft. $1.25 to $1.50; 4 to 6 ft. $2 to $2.50.

FICUS AUSTRALIS

**FICUS ELASTICA** (Rubber Tree). The true Rubber Tree from India. A fine ornamental tree for lawn, with long, glossy green leaves; and also much used as a decorative plant. In pots, $1 to $5 each.

**FICUS MACROPHYLIA** (Moreton Bay Fig, or Long-leaved rubber Tree). Similar to F. Australis, quite hardy and grows very large, with larger leaves than the former. In pots 2 to 3 ft. $1; 3 to 4 ft. $1.25; large plants in 5 gallon cans, 4 to 5 ft. $1.50; 5 to 6 ft. $2 to $2.50.

**GREVILLEA ROBUSTA** (Silky Oak, or Australian Fern Tree). This beautiful tree is well adapted to this climate, and is one of the best avenue trees, rapid growth, fern-like leaves and golden yellow flowers, which adorn the tree in the early summer months. Resists drought to a remarkable degree and is one of the most stately avenue and lawn trees of the interior. In cans 1 to 2 ft. 25 cts.; 2 to 3 ft. 35 cts.; 3 to 4 ft. 50 cts.; 4 to 6 ft. 60 cts.; 6 to 8 ft. 75 cts. Special prices in large quantities.

**JACARANDA MIMOSAEFOLIA** (Brazilian Jacaranda). A beautiful tree of rapid growth, very fine cut fern-like leaves with large panicles of very showy Blue flowers, which come out in summer. Grown in Southern California as a shade and ornamental tree. 3 to 4. ft high 75 cts.; large trees 6 to 8 ft. $1.50 to $2. each.

**LIVE OAK** (California). A familiar sight on our California landscapes, which adds so much to its beauty. A magnificent tree and should be extensively planted. In 5 gallon cans 3 to 4 ft. 75 cts.; 4 to 6 ft. $1 to $1.25.

**MAGNOLIA GRANDIFLORA.** This noble evergreen tree, a native of the Southern States, grows to a height of 100 ft. and does well in this climate; a perfectly formed tree with large glossy green leaves. The flowers are large, pure white and fragrant. Plants 1 to 2 ft. 50 cts.; 2 to 3 ft. $1; 3 to 4 ft. 1.50; 4 to 6 ft. $2 to $2.50. Grafted trees 2 to 3 ft. $1.50; 3 to 4 ft. $2 each.

**PARKINSONIA** (Aculeata) **JERUSALEM THORN.** (40 feet). A very rare, odd and beautiful thorny tree with pine like leaves, and feathery drooping branches, flowers one inch across, yellowish. Will thrive in the driest locations. As a specimen tree for lawns it always attracts attention 3 to 4 ft. 50 cts. to 75 cts.; 4 to 6 ft. $1 to $1.25.

**PEPPER TREE** (Schinus Molle). This beautiful tree is too well known and popular to need much description. It has been one of the greatest attractions for years in Southern California and for a shade, ornamental, park, or avenue tree, it has no equal. Some specimens in Los Angeles are 50 ft. high and equally as broad. The dense foliage of green feathery leaves, white flowers and red berries add to the beauty of the tree. Small trees 25 cts.; 4 to 5 ft. 50 cts.; 6 to 7 ft. 75 cts. each.

GREVILLEA ROBUSTA

**PINUS INSIGNIS** (Monterey Pine). A native of California, much used as a street shade tree and in groves, being a rapid grower and very handsome, pyramidal habit, with long deep green needles or leaves; thrives best near the coast. Small plants in pots 25 cts. and 35 cts.; 3 to 4 ft. 60 cts. to 75 cts.; 4 to 6 ft. $1 to $1.50

## ORNAMENTAL EVERGREEN TREES (Continued)

**PITTISPORUM**—See page 59.

**SEQUOIA GIGANTEA** (California Big Tree). The largest tree in the world. A native of California and attains a height of from 300 to 400 ft. with very thick trunks, some of which have measured over 30 ft. in diameter. Shape of tree is tapering with deep green foliage. One of the handsomest trees for avenues and private gardens. Very ornamental. 6-inch pots $1 to $1.50; large plants 4 to 6 ft. $2.50 to $3.50.

**SEQUOIA SEMPERVIRENS** (California Red Wood). Another one of California's native giant trees. A very rapid grower and ornamental. The timber from this tree ranks among the finest in the world, both for building and decorative purposes. Small trees $1; larger size $3.50 each.

**STERCULIA ACERIFOLIA** (Australian Flame Tree). Pyramidal habit and large green leaves, produces masses of scarlet flowers, which can be seen at great distance. A very showy tree and should be in every collection. Large trees $1.50 to $2 each.

**STERCULIA DIVERSIFOLIA** (Brachychiton Populenum). This tree is rapidly becoming a favorite for street and avenue planting. Very graceful form; hardy and strong, leaves a bright glossy green, with various formation in shape. 3 to 4 ft. 50 cts.; 5 to 6 ft. 75 cts.; 6 to 8 ft. $1.50 each.

### ARBORVITAE (Thuya)

**THUYA OCCIDENTALIS** (American Arborvitae). An ornamental evergreen tree or shrub of thick growing habit and especially valuable for hedges. In 8 inch pots, 3 to 4 feet high, 35 cts. to 50 cts.; in 5 gal. cans, 4 to 6 ft. high. 75 cts. to $1.

**THUYA OCCIDENTALIS AMEA** (Chinese Golden Arborvitae). One of the most beautiful compact ornamental shrubs. A slow grower and suitable for cemeteries and in narrow corners of beds where slow growth is desired. Foliage green and assumes a golden tint in spring. In gallon cans 10 to 14 inches 35 cts. to 50 cts.; boxed 3 ft. $2; 4 ft. $3.

### BAMBOOS

**BAMBUSA METAKE.** A very hardy variety; well adapted to use as a screen for back yards. 50 cts. to $1.50.

**VULGARIS.** A giant Bamboo, attaining a height of 70 ft., and over 4 inches in diameter. Strong established plants $5 each.

# ORNAMENTAL EVERGREEN SHRUBS

**BOTTLE-BRUSH** (Callistemon Speciosus). Scarlet flowers. In gallon cans 3 to 4 ft. high 50 cts. to 75 cts. each.

**BROOM, SPANISH** (See Genista)

**CALADIUM ESCULENTUM** (Elephant's Ear). A tropical plant with enormous leaves. Very ornamental for lawns. In pots from 50 cts. to $1 each.

**DAPHNE ODORA.** A handsome, evergreen, winter-blooming shrub. In 6-inch pots $1 each.

**DIOSMA FRAGRANS** (Breath of Heaven). A favorite shrub or pot plant; small white flowers. In pots 40 cts. to 75 cts. each.

**FUSCHSIA.** Our stock of these ever-blooming plants embraces all the best sorts of single and double flowering varieties. Pot plants 25 cts. and 35 cts. each.

**GENISTA SCOPARIUS** (Cytisus Scoparius, Spanish Broom). Bright yellow, pea-shaped flowers, produced very freely in the Spring and Summer, on long pendulous, round leafless branches. An upright growing shrub. In gallon cans 50 cts. to 75 cts.; in 5 gallon cans, 5 to 6 ft. $1.

**GREVILLEA THELMANNIANA.** Beautiful evergreen shrubs, having fine feathery foliage, and producing throughout the Summer clusters of brilliant searlet flowers, borne on the ends of the branches. In gallon cans 2 to 3 ft. high 50 cts. to 75 cts.

**HELIOTROPIUM** (The Common Heliotrope). A fine collection; various shades of blue and pure white. 4 inch and 5 inch pots 25 cts. and 35 cts. each; 6 to 8 inch pots 50 cts. and 75 cts.

**HIBISCUS SINENSIS.** A beautiful shrub, with large, showy flowers. Choice double and single varieties. Colors peachblow, pink and scarlet. In 4 inch pots 25 cts. and 35 cts.; in gallon cans 50 cts. and 75 cts.; in 5 gallon cans $1 to $1.50.

**HYDRANGEA HORTENSIS.** One of the most gorgeous blooming plants grown in our semi-tropic climate; thrives best in partial shade, but does well in any situation. Highly recommended for planting on the shady side of buildings. Our plants are pot-grown. In 4-inch to 6-inch pots 25 cts. 35 cts. and 50 cts. each. In 5 gallon cans $1 to $1.50.

**HYDRANGEA OTASKA.** The flowers are much larger than the old variety, frequently measuring 12 inches in diameter and of a delightful pink color. Prices same as above.

**LANTANA.** An ever-blooming shrub and does well in Southern California. Can be used as a hedge or ornamental plant. Colors, orange, yellow, pink and white. Four inch and 5 inch pots 25 cts. and 35 cts. each; 6 to 8 inch pots 50 cts. to 75 cts.

**LAURUSTINUS.** A handsome shrub with white flowers. Very fragrant, a free bloomer, and often used as a hedge plant as well as ornamental. Small plants, 3 inch, 4 inch and 5 inch pots, 15 cts., 20 cts. and 25 cts.; large plants in 5 gallon cans $1 to $1.50.

**PRIVET** (Ligustrum)

**LIGUSTRUM ELEGANTISSIMA AUREA.** A variety with beautiful golden variegated foliage. Quart cans 1 to 1½ ft., 15 cts. each; $1.50 per dozen; 5 gallon cans, 4 ft. 75 cts. and $1.

**LIGUSTRUM JAPONICUM** (Japanese Privet). A handsome shrub; valuable for hedges. In boxes of 100 plants $3 per 100. Bare rooted 2 ft. plants 50 cts. per dozen; $3 per 100. In 3 and 4 inch pots 15 cts.; in gallon cans, 3 to 4 ft., 25 cts. and 35 cts.; large plants in 5 gallon cans, 4 to 6 ft. $1.

**LIGUSTRUM NEPALINCE** (New). Foliage darker green and grows more compact than the above.

**MYRTUS COMMUNIS** (Common Myrtle). A well known shrub. In pots 15 cts. to 50 cts. each.

**MATILLIJA POPPY**

**ROMNEYA COULTERI.** A California native flowering shrub, and commonly known as the queen of the native flowers. Is a vigorous grower and often attains a height of 7 to 8 ft. The foliage is a beautiful silvery green, and the large flowers with their silky white petals and bright yellow center make it one of the most attractive shrubs grown. The stems are long and stiff, making it very useful for cut-flower purposes. This magnificent plant should be in every garden. Well established plants $1 each.

**NEW ZEALAND FLAX** (Phormium Tenax). Has large sword-like leaves of a deep rich green color. From this plant **Flax** is made in New Zealand. Very ornamental. In 5 gallon cans, 3 to 4 ft. high, 75 cts. and $1; in 12 inch Japanese tubs $1.50.

## ORNAMENTAL EVERGREEN SHRUBS (Continued)

NEW ZEALAND FLAX

**NEW ZEALAND FLAX** (Phormium Tenax Variegata) (See Cut). The variegated leaf variety: has shorter leaves, broad creamy-white stripes extending the entire length of each leaf. A grand lawn plant and also very desirable for grouping. Prices the same as the above.

**OLEANDERS.** Best suited for the warmer sections, where, if given plenty of water, it thrives to perfection. The flowers are produced very freely for a long period. One of the showiest of ever-blooming evergreens. Colors, red, pink, white and buff yellow. In gal. cans 2 ft. 50 cts.; 5 gal. cans, 5 to 6 ft. (very stocky) $1.25 to $1.50.

**PITTOSPORUM EUGENOIDES.** A handsome shrub, upright growth, with black stems and silvery-green leaves, very showy. Large plants 4 to 6 ft. high $3 each.

**PITTOSPORUM NIGRICANS.** A very handsome tree or shrub, with silvery light green leaves and black stems. Also a good hedge plant and very ornamental as an individual. In 5 gallon cans 5 to 6 ft. $1.25; 6 ft. and up $1.50.

**PITTOSPORUM UNDULATIUM.** Can be grown in either shrub or tree form; has magnificent glossy leaves and fragrant flowers. Can be used for hedges or ornamental purposes and has no equal. Small plants 25 cts.; large size $1 to $1.50 each.

**PLUMBAGO.** White and blue. A beautiful flowering plant that can be used as a shrub or climber; very popular in this country. Three inch pots 15 cts.; 4 inch pots 25 cts.; 5 inch pots 35 cts. each.

**POINSETTIA PULCHERRIMA.** The well-known Flor de Pascua, the "Christmas Flower" of Mexico; unsurpassed for the splendor of its brilliant scarlet flower bracts; a universal favorite; grows to a large size. In 4-inch pots 25 cts.; 5-inch and 6-inch pots 35 cts. to 50 cts.; large plants in 5 gallon cans, 3 ft. to 5 ft. $1 to $1.25.

# PALMS AND DRACAENAS

**CHAMAEROPS EXCELSA** (Hardy Fan Palm) (See Cut below). Commonly known as Japanese Fan Palm; very beautiful and especially attractive for its odd, hairy trunk. One of the best street palms and largely planted for that purpose. In gallon cans 25 cts., 35 cts. and 50 cts. each; 8 inch pots, 12 to 18 inches high (**fine decorative plants**), $1 to $1.50 each; in 5 gallon cans $3 each; in large Japanese tubs, specimen plants, $8.50 to $10 each.

CHAMAEROPS EXCELSA

**CHAMAEROPS HUMILIS** (Dwarf Fan Palm). See cut below. A hardy dwarf growing palm with small, fan-shaped leaves and spiny stalks. Excellent for lawns where a dwarf palm is desired, also a splendid ornamental plant in pot or tub.

We are overstocked and offer fine strong "balled" plants at the following prices: 1 to 1½ ft. 50 cts. to 75 cts.; 1½ to 2 ft. $1; 2 to 3 ft. $1.25 to $1.50.

CHAMAEROPS HUMILIS

## PALMS AND DRACAENAS (Continued)

**COCOS AUSTRALIS** (Brazilian Palm). This palm has no rival, being one of rare beauty and very ornamental; long graceful leaves of bluish green color; a pride to any garden. 3 to 4 ft. high in butter tubs, $3.50 each; large 6 to 8 ft. plants $25 to $30 each.

**COCOS FLEXUOSUS.** A tall growing variety of graceful habit, attaining a height of 80 to 100 ft. Its odd formation of stem and head of beautiful feathery foliage are an ornament to the finest gardens. Plants in 6 inch pots $1 to $1.25 each.

**CORYPHA AUSTRALIS** (Livistona Australis). A very beautiful decorative palm for house culture. In 6-inch pots, 1½ to 2 ft. high $1 to $2; larger plants, in 12-inch Japanese tubs $3.50 each.

**CYCAS REVOLUTA** (Sago Palm). This noble palm with its dark green leaves, which come out of the top of the plant and uncurl like a cluster of ostrich feathers, borne on a dark brown stem, is one of the best decorative palms, a very slow grower and glossy foliage. Any good garden soil will suit it. Pots should be well drained and water applied sparingly during the winter. Six-inch pots $1.50 each.

**ERYTHEA ARMATA** (Brahea Glauca: The Blue Palm). A native of Lower California, very hardy. One of the most exquisite fan palms, glaucous blue foliage, and slow grower. In 12-inch Japanese tubs, 3 ft. high $3.50 each; 4 to 5 ft. high, in large Japanese tubs, $15 each.

ERYTHEA EDULIS

**ERYTHEA EDULIS** (See cut). One of the finest Fan Palms grown. Deep green leaves and very attractive, slender stem and more graceful than the California Fan Palm. Pot grown plants 50 cts. each; 3 to 5 feet high in 5 gallon cans $2.50 to $3 each.

**KENTIA BELMOREANA.** (See cut.) This is the most valuable palm for house culture, being very graceful with dark green pinnate leaves. It grows well, without any extra care, and without a doubt is the best palm to grow in pots. We have a large assortment of sizes: 4-inch pots 75 cts. and $1; 5-inch pots $1.50 to $2.50; 6-inch pots $3.50 to $6.

**KENTIA FORSTERIANA.** Similar to the above and of equal value as a house plant. Prices the same. Foliage more erect.

**PHOENIX CANARIENSIS** (See cut page 63). One of the most beautiful palms for planting on lawns and in parks. The most graceful and handsome of our hardy palms; leaves pinnate and of a very dark green color. Besides being an out-door palm it does fine in the house and on porches where it gets good light. They make a beautiful decorative plant when grown in a pot or Japanese tub. In cans and pots, 8 inches high, 50 cts.; 12 to 18 inches 75 cts., and $1; 2 to 3 ft. balled $2 to $2.50; 3 to 4 ft. $3 to $3.50; 4 to 6 ft. $4 to $5; 6 to 8 ft., in large Japanese tubs (fine large well-established plants) $6 to $8 each. Specially selected in small Japanese tubs (as per above cut), 4 to 5 ft. high $5 each.

**PHOENIX RECLINATA.** "Dwarf Date Palm" (12 to 20 ft.). A graceful palm with drooping leaves and slender stem, but not as hardy as some of the others. Plants 3 ft. high $3 each; large plants in Japanese tubs $6 each.

**RHAPHIS FLABELLIFORNIS.** "Cane Palms" of China and Japan. The formation of this palm is in the form of a cluster of canes with bunches of fingered dark green leaves borne at the ends. Very ornamental both for a house and out-door plant. In small Japanese tubs $3 to $5 each.

**SEAFORTHIA ELEGANS.** A beautiful tall growing variety, with long pinnate leaves. A hardy palm in Southern California. 6 inch pots 75 cts. to $1.

**WASHINGTONIA ROBUSTA** (See above cut). The most ornamental palm for street and group planting; exceptionally adapted to our warm southern climate. A favorite in all southern places. It has a very thin stem of dark reddish brown color, while the large fan leaves are a deep glossy green. This palm grows to a height of 75 to 100 ft. In 5 inch pots 25 cts. and 35 cts.; 6 inch pots 50 cts. to 75 cts.; 2 to 3 ft. in 5 gallon cans $1.50 each; 3 to 5 ft. in butter tubs, $2.50 to $3.50 each; in large Japanese tubs $5 each.

### DRACAENA

**AUSTRALIS.** A palm-like tree growing to a height of 10 to 15 ft. Stem stout; leaves 2 to 3 ft. in length. Fine for avenues. Large plants in 20 inch Japanese tubs, 7 to 10 ft. high, $6 to $8 each.

**INDIVISA.** Narrower, longer leaves than preceding. Fine for hall or porch decoration. 6-inch pots 75 cts. each. 4 to 6 ft. in 5 gallon cans $1 to $1.50 each; in 12 inch Japanese tubs $3 each; $5 per Pair; in 20-inch Japanese tubs, 7 to 10 ft. high, $5 each.

KENTIA BELMORENA

## PALMS AND DRACAENAS (Continued)

### AGAVES, YUCCAS, ETC.

**AGAVE AMERICANA.** The well-known so-called Century Plant. Plain glaucous-green leaves. Foliage of the plant considered by many as a relief from the pains of rheumatism. Small plants in gallon Cans 25 cts. to 75 cts. each; in 5 gallon cans 18 to 24 inches $1 to $1.50.

**AGAVE VARIEGATA.** Same as above, with white or light-colored stripes through the leaf. Prices 25% higher than the above.

**AGAVE DECIPIENS.** A dwarf variety with dark, olive green leaves. 50 cts. to $1 each.

**DASYLIRION GRACIL.** An admirable plant for subtropical gardening or indoor decoration. As a lawn decorative plant, it is suggestive of the desert, and although something out of the ordinary, it is extremely hardy and thrives with very little care. No rockery is complete without this plant. Splendid plants in 6 inch and 8 inch pots, 14 to 18 inches high, 50 cts. and 75 cts. each; large plants 3 to 4 ft. high, $1.50 to $2 each.

**GLAUCOPHYLLUM.** Very decorative. Large plants in tubs. $7.50 each.

**YUCCA GLAUCA PENDULA.** A very decorative plant for porch decoration. Its head of glauca green leaves with fountain-like appearance gives it a tropical effect. In gallon cans 35 cts. to 75 cts. each; 5 gallon cans 1½ to 2½ ft. $1.50 each; in 12 inch Japanese tub (as per cut) $3 each; $5 per pair.

# BEDDING AND BORDER PLANTS

**ACHYRANTHUS.** Deep bronzy purple foliage. A splendid bedding or border plant. Produces a very rich effect and may be trimmed to any desired shape. Strong plants from flats 50 cts. per dozen, $3 per 100.

**AGAPANTHUS UMBELLATUS** (Blue African Lily). Flowerstalks 2 or 3 ft. high; from 30 to 100 lily-like flowers of a lively sky-blue color. Too large to mail, 50 cts. each.

**ALTERNANTHERA.** These are fine foliage plants for carpet bedding, edges of beds, park designs, etc. Two colors, yellow and red. 25 cts. per dozen; $2 per 100.

**ASTERS** (See cut page 39). All the best colors 25 cts. per dozen.

**CANNAS,** see page 85.

**CENTUREA CANDIDISSIMA** (Dusty Miller). A useful border plant with silvery white foliage. As an edging for scarlet Geraniums etc., it has no equal. Price 50 cts. per dozen.

**COLEUS.** We grow a large assortment of these beautiful decorative plants. 15 cts., 25 cts., 35 cts. and 50 cts. each.

**COLUMBINE.** A very showy bedding plant. 1½ feet high, blooming freely during spring and early summer; fine for cutting. 3 and 4 inch pots 15 cts. each; $1.50 per dozen.

**COREOPSIS LANCEOLATA** (See cut, page 50). The best bedding plant for show. A rapid grower and produces great quantities of handsome golden yellow flowers all summer; long stems and a favorite for cutting. 10 cts. each; $1 per dozen; $6 per 100.

### DAISIES

**DAISIES** (English). One of the best border and bedding plants. Dwarf; mixes well with pansies and other low growing plants; free bloomer. Colors, white, pink, and red. 25 cts. per dozen; $2 per 100.

**DAISY** (Shasta), (See cut, page 48). A vigorous growing perennial plant of great value, both for decorative and commercial purposes. The large pure white flower, with their yellow center and long stems is rapidly becoming one of the best for cut flowers. A very free bloomer and greatly admired; should be in every garden. Strong young plants 10 cts. each; $1 per dozen; 15 cts. each; $1.50 per dozen.

**DAISY TRANSVAAL** (Gerbera Jamesonii). This magnificent scarlet Daisy, practically new to the average person, but rapidly coming to the front, due to its great attractiveness and flowering merits will soon be one of the most prominent plants of the day. The keeping qualities of the flower when cut are wonderful and the dazzling scarlet color gives a rich effect when used for decorating. Thrives best in rich loamy soil and sunny location. Strong plants 35 cts. each.

### GERANIUMS

Named varieties 10 cts. each, $1 per dozen, $8 per 100. Mixed varieties, unnamed, good strong plants of fine colors, 75 cts. per dozen; $6 per 100.

**BEAUTE POITEVINE.** One of the best double geraniums; large flowers of soft salmon pink.

**GENERAL GRANT.** A strong grower. Single, bright scarlet. A continuous bloomer; one of the best for bedding. The most popular Geranium of all.

**GERTRUDE PEARSON.** Bright rosy pink, with white eye. Single, and in bloom all the year.

**JEAN VIAUD.** Double rosy pink, with white center. One of the handsomest geraniums for all purposes; free bloomer.

**JOHN FORBES.** Scarlet, very large flowers and very showy; an excellent single variety.

**LA PILOT.** Double orange scarlet. Extra large trusses of bloom.

**M. CANOVAS.** There is no better dark crimson variety; double flowers, large and fine.

**MAD. A. CHEVRELIERRE.** The finest double white; in flower all the time.

**PHYLLIS.** The best single salmon rose; free bloomer and large flowers.

**THOMAS MEEHAN.** Double bright pink. Large trusses; one of the best.

**S. A. NUTT.** The very best of the dark Crimson scarlet bedders, semi-double. Used by the million in the East.

**SNOWDROP.** A pure white single geranium.

**IVY GERANIUMS.** Are indispensable for trailing, covering banks, fences, etc. Colors, white and pink. 10 cts. each; $1 per dozen; $8 per 100.

**MAD. SALLEROI.** A fine edging plant, rarely over 6 inches high. Foliage green, edged with white. 10 cts. each; $1 per dozen.

**PELARGONIUMS** (Lady Washington Geraniums). Summer and fall flowering plants. Beautiful trusses of flowers of various colors. Mixed, leading varieties, 15 cts. each; $1.50 per doz.

**LOBELIA** (Crystal Palace). A splendid dwarf variety, covered during the Spring with masses of ultra-marine blue flowers. 50 cts. per dozen; $2.50 per 100.

**PANSY** (See cut page 52). No garden is complete without this most beautiful flower. Our strain of Giant Flowering varieties embraces all the choicest colors. There is nothing so attractive in the spring as a bed of nice Pansies. 25 cts. per dozen; $2 per 100.

**PENSTEMON.** For show and cut flowers this is among the best. A perennial plant with flower stalks 18 inches to 3 ft. long, and immense heads of beautiful blossoms of the richest colors, being constantly in bloom, makes it a valuable decorative plant. Every lover of flowers should have a bed of our Giant Penstemons. 15 cts. each; $1.50 per dozen.

**PETUNIA** (See cut, page 53). We have devoted much time to the growing of this charming flower, and have succeeded in getting an assortment of the very finest double and single large flowering fringed varieties. These can be grown successfully out-doors, and as a free blooming plant for beds, they have no superior. 15 cts. each; $1.50 per dozen.

**PHLOX** (Perennial). Our collection of these beautiful spring and summer flowers comprises all the best flowering varieties and colors. A bed or border of Hardy Phlox with

## BEDDING AND BORDER PLANTS (Continued)

their masses of showy flowers is the admiration of everybody. We offer strong field grown clumps at 20 cts. each; $2 per dozen.

**PYRETHRUM.** Deeply fringed and cut foliage, with compact habit of bright golden yellow color. A fine plant for edging beds, etc. 25 cts. per dozen; $2 per 100.

### SALVIA

**SALVIA SCARLET.** This excellent summer bedding plant is too well known to need much description. A bed of this when in full bloom with its spikes of bright scarlet flowers and green foliage makes a striking effect, and must be seen to be most appreciated. 10 cts. each; $1 per dozen.

**SALVIA PATENS.** Similar to the former in many respects, but being a blue flower, it hardly is so attractive, still it adds to the effect and appearance of the garden. 10 cts. each; $1 per dozen.

### SANTOLINA

A well-known and useful border plant, which may be trimmed into neat little hedges. Growth short jointed, compact and silvery white in color. 20 cts. per dozen; $1.50 per 100.

### STOCKS

During the Spring and Fall we can supply large flowering stock plants in red, white, pink and purple colors. By planting these in rotation in this climate you can have blossoms the year round. The trusses of beautiful flowers make fine bouquets. 25 cts. per dozen; $2 per 100.

### VERBENAS

Our assortment of these practically ever-blooming plants is made up of the mammoth flowering varieties. For a low-growing plant of the trailing nature, there are none equal to Verbenas for bedding. They do well in the hot sun and are often planted in parkings between the sidewalk and curb. We can supply young plants in the following colors: White, scarlet, pink and purple. 50 cts. per dozen.

### VIOLETS

**CALIFORNIA.** A grand violet grown all over the country for cut-flower purposes. Flowers very large and fragrant; stems often a foot long. 50 cts. per dozen.

**PRINCESS OF WALES.** The largest Violet in cultivation. The flowers open out flat, similar to a pansy, and are deliciously fragrant. The most productive long-stemmed variety. 50 cts. per dozen.

**SWANLEY WHITE.** Color, white; very fragrant. Strong pot-grown plants 50 cts. per dozen.

### CANNAS

The Canna is one of the most popular garden plants for tropical effect. There is nothing more beautiful or attractive than a bed or hedge of this beautiful flowering plant, producing fine stalks, handsome flowers, in various shades of yellow, orange and scarlet. As we have an exceptionally large stock on hand we are offering these $1.50 per dozen goods at the low price of $1 per dozen.

### CARNATIONS

From 3-inch pots, 75 cts. per dozen. By mail, 25 cts. per dozen extra.

**ALLEGRIA.** The very best bright scarlet variety; a strong grower, long stems and very thrifty.

**JAS. CORBETT.** A splendid, strong-growing variety, producing great quantities of large, handsome flowers; salmon-pink.

**DR. CHOATE.** This beautiful, light scarlet variety should be in every garden; one of the best for general purposes; very fragrant.

**ENCHANTRESS.** The grandest of all carnations; the flowers are the largest and borne on long stems; color a beautiful shade of light pink.

**HARLOWARDEN.** The best bright crimson, excellent flowers and produced in great abundance.

**LOS ANGELES.** Most beautiful pure white carnation; plants bushy and compact; a strong grower, producing great quantities of fragrant flowers on long stems.

**MRS. THOS. LAWSON.** This popular carnation is well known for its large, beautiful flowers of rich pink, on long stiff stems; a strong grower and one of the best.

MRS. THOS. LAWSON CARNATION

**PROSPERITY.** Another one of the giant flowering sorts, being very full and fragrant; color white blotched with pink.

**ROOSEVELT.** Rich, velvety, crimson, producing a great abundance of very large flowers, delightfully scented; a leading variety.

**WHITE ENCHANTRESS.** One of the best large white carnations, similar in size and character to Pink Enchantress, a good keeper.

COL. APPLETON CHRYSANTHEMUM

# CHRYSANTHEMUMS AND CACTUS DAHLIAS

Chrysanthemum plants ready for delivery about April 20th,
**15 cts. each. $1.25 per doz. By mail 25 cts. per doz. extra**

The varieties of these beautiful flowering plants we offer this season are of the magnificent Japanese type. We have succeeded in bringing together what we consider the best collection as yet placed before our customers. Hybridization accomplishes wonders, and as a result, a disappearance will be noted from our list of many varieties we have previously offered. We have no doubt but that every variety we list will give perfect satisfaction to our extensive trade.

**CULTURAL NOTE.** Permit the plants to grow freely during the summer; water well during the dry season, giving an occasional mulch of well-rotted manure. In case the growth is extra rank, cut back during the middle of August; select the best shoots on new growth, pinching off the remainder. A good strong plant will carry from seven to ten shoots, and these in turn should carry one large bloom each. The best variety will produce small blooms, if the disbudding is not well and thoroughly done. Carefully select each bud for blooming, removing all other buds and side growths.

**AMATEUR CONSEIL.** A fine addition to our list of reds, somewhat lighter in color than Black Hawk, but much larger and finer. Blooms reflexed and twisted. Shaded from the sun when buds are expanding, it brings a very deep velvety crimson flower. Extra fine.

**A. SCALARANDIS.** Is a grand variety. Its excellent dwarf habit, bright golden yellow flowers and heavy overlapping foliage produce a beautiful effect.

**BESSIE GODFREY.** A broad petaled canary yellow, incurved, bright and glistening. The form is all that could be desired. Can be grown to enormous size.

**BRAUNT.** A reddish bronze, incurved of large size. A fine exhibition bloom.

**BLACK HAWK.** The darkest chrysanthemum extant; when well grown it produces a good medium sized bloom of the darkest shade of crimson it is possible to imagine.

**COLONEL APPLETON.** A prize winner wherever shown. Flowers enormous in size, golden yellow in color. In the east a standard variety for market work. Keeping qualities the best. Unsurpassed at mid-season.

**DURBAN'S PRIDE.** Produced from a cross between Mme. Carnot and Pres. Smith. Long incurving and curling petals. Grand shade of lavender pink.

**ETOILE DU NORD.** This variety stands out pre-eminently as the richest yellow in the collection. It does finely in full sun and produces blooms which are mar-els of beauty. The form and general make-up of bloom leaves nothing to be desired. Stems clothed with heavy dark green foliage right up to the flowers.

**GOOD GRACIOUS.** A standard variety, which throws a fine large bloom. Petals long, narrow and incurving. Makes a huge flower when well done. Bright pink.

**LAVENDER QUEEN.** A very large reflexed lavender pink. Grand in form, foliage and habit.

**M. PECHON.** An enormous incurved golden yellow. Petals of medium width. Blooms very double and carried on very high stems. Quite distinct in form from all other yellows in the set.

**MME. A. MARMOTEL.** An enormous exhibition variety. Perfectly double flowers. Petals rather narrow and gracefully incurved. Color rosy purple.

**MADAM SIMON JOSSIER.** A new French variety, and without any doubt one of the grandest of all. It shows a marked advance over the whites of former years. The blooms are of the largest exhibition size, creamy white in color and carried on thick stiff stems. A gem in every sense.

**MADAME PAOLO RADAELLI.** Creamy white, tinted rose. A deep incurved bloom, with outer reflexed petals. Very large.

**MRS. H. W. RIEMAN.** Deeper in color than Golden Wedding. Florets regularly incurved, very double blooms and the latest of all golden yellow varieties to flower. By taking a second bud, it can be had in perfection at Christmas time, when its magnificent bloom commands a high price.

**NELLIE POCKETT.** A superb variety from Australia and regarded as the highest and most refined type it is possible to produce. Petals very long, drooping and interlaced; of great depth and breadth. Creamy white.

**ROI DE ITALIE.** Lovely deep yellow flowers of great size and substance. The plant is strong growing, and if planted early it will perfect ten to twelve blooms. Foliage dark green and very leathery in texture.

**TIMOTHY EATON.** One of the largest incurved whites. An easy variety to bring to perfection. A standard.

**YELLOW PRINCE.** A tawny orange. Belongs to the same class as Good Gracious being identical in all respects save color. Very fine.

## CACTUS DAHLIAS

These magnificent flowers are as easily grown as the "Decorative Dahlias," but surpass them in beauty and gracefulness of form. The petals of some of the varieties are peculiarly twisted, giving them more the appearance of Chrysanthemums in marked contrast to the stiff petals of the old-fashioned sort. Price 25 cts. each or $2.50 per doz.

**A. C. DAVIS.** A lovely medium sized bloom; in color a delicate shade of lavender pink.

**COCKATOO.** Variable in color arrangement, but always beautiful. In fact, one of the finest fancy cactus Dahlias. Clear canary yellow, shaded fawn and tipped pure white.

**EARL OF PEMBROKE.** A nicely built flower, composed of numerous petals of a good clean shade of purple. It shows off well under artificial light which makes it useful for decorative work.

**E. BONNEFOND.** This superb variety is undoubtedly one of the finest scarlet cactus Dahlias in cultivation. The blooms are of enormous size, perfection in form, and of an intense scarlet color.

**GREENS WHITE.** A lovely pure white with long tapering petals. Flowers of medium size.

**HOHENZOLLERN.** Apricot yellow. The color is well displayed in the large incurving blooms. Extra.

**KREMHILDE.** This lovely variety originated in Germany, several seasons ago, and now is one of the most popular of all Cactus Dahlias. Color delicate pink, shading to white at the center. Perfect in its cactus form, with flowers on strong stems well above the foliage.

**KING OF SIAM.** Intense glowing scarlet. Flowers very large, with beautifully arranged petals.

**MRS. CARTER PAGE.** A splendid shade of deep crimson. The petals are so curved and narrow that the flower has more the appearance of a chrysanthemum. Extra choice.

**PRIMROSE.** Light sulphur yellow, with splendid stems and flowers carried well above the foliage. Free bloomer.

**PROGENITOR.** Beautiful carmine crimson lake, every petal being furcated at the end like a stag horn fern, and forming several points, each having a fluted termination. Very fine.

**THE PILOT.** This variety is another good representation of the new shades developed in cactus Dahlias during recent years, and is worthy of being in the most select collection. Terra cotta, with the base of the petals deep yellow.

**THURINGIA.** A very large and elegantly formed bloom. Petals long and narrow. Color bright orange red.

**WM. CUTHBERTSON.** Deep crimson, with excellently formed blooms. A good cut flower, on account of its long, wiry stem.

# CLIMBING AND TRAILING PLANTS AND GRASSES

**AMPELOPSIS QUINQUEFOLIA** (Virginia Creeper). A rapid grower, and one of the best deciduous vines. Clings to the wall or fence without being tied. 25 cts. and 35 cts.

**AMPELOPSIS VEITCHII.** (Boston or Japanese Ivy). A deciduous climber of great prominence; rapid grower and self-supporting to the wall; hardy and thrives well in any good soil; leaves dark green in summer, turning to lovely shades of red and bronze in the autumn. 25 cts. and 35 cts.

**BIGNONIA TWEEDIANA.** For covering walls and out-buildings this is one of the best vines, being of clinging habit; flowers clear yellow. 25 cts. and 35 cts. each.

**BIGNONIA VENUSTA.** The most popular of the Bignonias. Dark green leaves and great quantities of orange-yellow flowers, which come in clusters. 35 cts. and 50 cts. each.

## BOUGAINVILLEA

This beautiful climbing plant, with its luxuriant growth and great abundance of showy flowers which are produced in masses, colors ranging from a delicate lavender to a deep magenta, and brick-red. This undoubtedly is the most popular climbing evergreen plant in cultivation. It is a free bloomer and does remarkably well when planted in a warm exposure. We offer pot grown plants of the following varieties:

**BOUGAINVILLEA GLABRA SANDERIANA.** Color, a rich magenta. Plants in 4-inch pots 35 cts. each; 6-inch pots or gallon cans 50 cts. to 75 cts. each; large plants in 5 gallon cans $1.25 to $1.50.

**BOUGAINVILLEA SPECTABILIS.** Color, carmine-purple Plants in 4-inch pots 50 cts. each; 6 inch pots or gallon cans 75 cts. to $1.

**COBAEA SCANDENS.** A rapid climber, with purple bell-shaped flowers. 25 cts. each.

**COBAEA SCANDENS.** White, similar to former in habit of growth. 25 cts. each.

**AUSTRALIAN PEA VINE** (Dolichos). A most desirable vine for covering fences and out-buildings. A very rapid grower and covers in very thickly; requires no extra care, and blossoms the year round; flowers pea-shaped, rosy-purple. 3-inch pots 15 cts. each; $1.50 per dozen; 4-inch pots 20 cts. each; $2 per dozen.

**FICUS REPENS** (Climbing Rubber). This is most excellent for brick or stone walls and fences. All but the fruiting branches lie perfectly flat against the wall, making a perfect mosaic. 20 cts. each; $2 per dozen.

**HEDERA HELIX** (English Ivy). Too well known to need describing. The thick, glossy green foliage and sturdy growth of this vine has made it a universal favorite. 4-inch pots 25 cts. and 5-inch pots 35 cts. each; larger plants in gallon cans 50 cts. each.

**HELIOTROPE,** see page 81.

**HONEYSUCKLE,** see Lonicera.

**IVY.** See Hedera.

**JASMINE** (Grandiflora). White. Blooms almost perpetually during the Summer and Fall. One of the best whites 25 cts. and 35 cts.

**JASMIMUM** (Gracilis). White; a very graceful vine with great quantities of very fragrant flowers. 25 cts. each.

**JASMINE** (Primulinum). Flowers very large, rich golden yellow in color, measuring two inches in diameter. 50 cts.

**JASMINE REVOLUTUM.** A vigorous variety can be grown as vine or shrub; covered with rich yellow flowers all summer. 25 cts. and 35 cts.

**LONICERA HALLIANA** (Hall's Japan). Evergreen, vigorous climber. Flowers pure white, changing to yellow, very fragrant, flowering very heavily during the summer and fall. 25 cts. and 35 cts.

**LONICERA JAPONICA AUREA RETICULATA.** (Japanese Golden-Netted Honeysuckle). Flowers yellow, very fragrant. Evergreen. 25 cts. and 35 cts.

**LONICERA SINENSIS** (Chinese Honeysuckle). White and pink; very fragrant. One of the best hardy climbers in cultivation; thrives well any place, and a free bloomer. 25 cts. and 35 cts. each.

**MANDEVILLEA SUAVEOLENS** (Chili Jasmine). White, very fragrant; deciduous. 35 cts. each.

**MUCHELBECKIA COMPLEXIA** (Wire Vine). Rapid growing twining vine, with dark wiry stems and tiny leaves. Sometimes called Maiden Hair Vine. Fine for covering fences, trees, arbors, etc. 25 cts.

**PASSIFLORA** (Passion Vine), (See cut, page 46). We can supply these favorite vines in the following colors: scarlet, white, pink and lavender. 35 cts. each.

**PLUMBAGO.** (See page 32).

**POMOEA LEARII** (Blue Moonflower). 3-in. pots 25 cts. each.

**POMOEA MEXICANA GRANDIFLORA ALBA.** "True White Moonflower." 3-inch pots, 25 cts. each.

**POTATO VINE.** (See Solanum.)

**ROSES.** (See Climbing Roses, pages 74 and 76).

**SMILAX** A well-known climbing plant much used in floral work, festooning, etc. From flats. 5 cts. each; 50 cts. per dozen. Fine plants from 3-inch and 4-inch pots 10 cts.; $1 per dozen, and 15 cts. each; $1.50 per dozen.

**SOLANUM JASMINOIDES** (Potato Vine). A very rapid growing vine, with dark green leaves. Flowers white with yellow centers. 25 cts. and 35 cts. each.

**SOLANUM WENDLANDII.** A splendid climber with delicate light-blue flowers, and large green leaves; deciduous. 35 cts. to 50 cts. each.

**TECOMA AUSTRALIS.** Rampant grower, elegant thick foliage, flowers small, but produced in great profusion. Color creamy white.

**TECOMA GRANDIFLORA** (Chinese Trumpet Vine). One of the best deciduous vines. The large beautiful trumpet-shaped blossoms of bright orange scarlet are produced in great quantities all summer. Plants 50 cts. each.

**TECOMA CAPENSIS.** Bright scarlet flowers. A fine plant for the sunny-side of the house. 35 cts. and 50 cts.

**TECOMA JASMINOIDES.** White and purple. 25 cts.

**TECOMA MACKENNI.** A very vigorous growing vine, and free bloomer; pink flowers. 25 cts. and 35 cts. each.

**TECOMA RADICANS** (American Trumpet Vine). A strong growing vine, more slender than the Grandiflora. The flowers are longer and narrower. Rich scarlet color. 35 cts. to 50 cts.

**TRADESCANTIA** (The Wandering Jew). Very fine decorative plants, of which we grow two varieties. They are fine for hanging baskets, for jardiniers and vases. They will cover the ground quickly if grown on partial shade. Colors green and variegated; 3-inch pots 15 cts. each; $1.50 per dozen. Cuttings 35 cts. per dozen; $2 per 100.

**WISTARIA SINENSIS.** Light blue; the best of all deciduous climbers. Flowers in early spring. This beautiful Japanese plant has no equal; long racemes of most attractive flowers. Small plants 50 cts.; large size $1 each.

**WISTARIA SINENSIS ALBA.** Same as preceding, but with white flowers. 50 cts. to $1 each.

**WISTARIA MULTIJUGA ALBA AND COERULEA.** Are grafted on the common varieties, consequently are vigorous growers and free bloomers. The racemes of flowers often attain a length of two feet; deciduous. $1.25 to $2 ea.

## GRASSES

**GYNERIUM ARGENTEUM** (Pampas Grass). Well known. Makes a fine tropical effect. Useful for planting on lawns Small clumps 50 cts.; large $1 each.

**LIPPIA REPENS** (Creeping Lippia). An excellent lawn grass. Does well where Blue grass or clover does not thrive. Used for lawns, parkings, tennis courts, etc. Requires much less care than other lawn materials. In flats, enough to cover about 100 square feet, $1 each; $8 for 10 flats.

**MESEMBRYANTHEMUM.** In flats (100 plants) $1.50.

**PAPYRUS ANTIQUORUM.** Used by the ancient Egyptians in the manufacture of paper. A tall, graceful plant, very ornamental. Prefers a moist situation. In gallon cans 50 cts. each. Large plants in 5 gallon cans $1 to $1.50.

# FERNS, HANGING BASKETS, FERN BALLS AND BEGONIAS

No collection of plants is complete without Ferns. Their popularity has greatly increased during the past few years and now they are indispensable in all floral decorations, and are especially valued as room and table ornaments. Where there is shade and moisture, most of the varieties succeed well when planted out-of-doors. Good drainage must be provided, as stagnant water is fatal to success. The plants we offer are in 4, 5 and 6 in. pots, and well established.

**ADIANTUM CUNEATUM** (Maiden Hair Fern). One of the most beautiful of all Maidenhair Ferns; the most popular and most generally grown by florists for decoration. 4-inch pot 50 cts.; 5-inch pot 75 cts.; 6-inch pot $1.

**ASPARAGUS PLUMOSUS.** The most valuable decorative plant grown. Its fine feathery foliage which grows in great length, and has a deep green color, is used in all the best decorations and floral work; is easily grown and thrives best in partial shade. 3-inch pots 15 cts. each, $1.50 per dozen; 4-inch pots 25 cts. each, $2.50 per dozen; 5-inch pots 35 cts. each, $3.50 per dozen; 6-inch pots 50 cts. each, $5 per dozen.

BOSTON FERN WALL POCKET

**ASPARAGUS SPRENGERI** (Natal). A most desirable new species, especially useful to grow as a pot plant, or for decorative purposes, or for planting in hanging baskets. Flowers, white, followed by red berries. The fronds are frequently four feet long; are of a rich shade of green, and most useful for cutting, retaining their freshness after being cut for weeks. It makes an excellent house plant, as it withstands a dry atmosphere. As a hardy fern in hanging baskets, this magnificent plant cannot be excelled. Prices for pot plants, same as Asparagus Plumosus (see above). Prices for Hanging Baskets, see "Hanging Baskets" this page. In 12-inch Japanese Tubs, $2.50 to $3.

**CRYTOMIUM FALCATUM** (Aspidium; the Holly Fern). So called because of its bright glossy green foliage resembling Holly. 4 and 5 inch pots 35 cts. to 50 cts.

**LOTUS** (Japanese). A splendid plant for pot decoration, and especially for window boxes. Very handsome glauca foliage, scarlet flowers, 3-inch pots 25 cts. each, $1.50 per dozen; 4-inch pots 25 cts. each, $2.50 per dozen; 5-inch pots 35 cts. each, $3.50 per dozen; 6-inch pots 50 cts. each, $5 per dozen.

**NEPHROLEPSIS EXALTATA** (The true sword fern). In well grown specimens, the fronds attain a length of 6 to 7 ft., but only one to three inches wide, and, like plumes, arching over in every direction in a most graceful manner. 5-inch pots 50 cts.; 6-inch pots 75 cts.

**NEPHROLEPSIS EXALTATA BOSTONIENSIS.** Known as the Boston Fern. This is decidedly the favorite for growing in hanging baskets, wall pockets and jardiniers. Is one of the very few plants that will thrive under ordinary house care. It's long, broad, arching fronds, show to grand effect. In 4-inch pots 50 cts; 5-inch pots 75 cts.; 6-inch pots $1. (Prices on hanging baskets, see this page).

**NEPHROLEPIS PIERSONI.** This beautiful fern originated from the Boston Fern, but has a much more fluffy leaf; is one of the finest for decorative purposes. In 4-inch pots 50 cts.; 5-inch pots 75 cts.; 6-inch pots $1.

**NEPHROLEPIS WHITMANI.** Commonly known as the Ostrich Plume Fern, because of its heavy plume like leaves. Very graceful and looks as if two or three leaves were condensed in one; a beautiful plant for house culture. In 5-inch pots 75 cts.; 6-inch pots $1.

**PTERIS TREMULA.** One of the finest for house decoration, growing very rapidly and throwing up large fronds; makes magnificent specimens. Easily grown and very popular. 5-inch pots 50 cts. each; 6-inch pots 75 cts. each.

We have a choice collection of small ferns which can be used in Fern Dishes for the center of tables, etc. 15 cts. each, $1.25 per dozen. Our stock of hardy ferns for out-door planting includes all the finest varieties for bedding purposes and rockeries. 4-inch pot plants 35 cts. each, $3.50 per dozen.

## HANGING BASKETS

There is nothing so attractive on a porch or arbor as a few nice baskets with growing plants. They add to the beauty and value of the home, and break the stiff appearing effect. We can supply 10 and 12-inch baskets, either filled with Boston Ferns or Asparagus Sprengeri at $1.50 and $2 each. Wall pocket, 10-inch, $1.50 to $2.

## JAPANESE FERN BALLS

Of these we have a fine lot of perfect balls. During winter and early spring these are dormant, but on approach of warm weather, they will again burst into growth. Prices, January to April 1st, dormant, 50 cts. each; via mail post paid, 80 cts. each. After April 1st, 75 cts. each. Fern balls cannot be mailed after April 1st.

## BEGONIAS

All the species of Begonias are interesting and beautiful ornaments adapted for the conservatory or window, and well adapted to amateur cultivation, their culture being very simple in any rich soil if allowed an abundant supply of water. Our assortment of these magnificent plants includes all the best sorts for out-door bedding and house culture, beautiful flowering varieties, and the much admired Rex Begonias. We can supply fine plants as follows:

**BEDDING VARIETIES.** 3-inch pot, 10 cts.; $1 per dozen.

**FLOWERING VARIETIES,** for the house 4-inch pot 35 cts.; 5-inch 50 cts.; 6-inch, 75 cts. each.

**REX VARIETIES.** 5-inch pot 50 cts.; 6-inch 75 cts. each.

# POULTRY *Germain's* SUPPLIES

**Columbian Wyandotte**
**Bred by**
**A. H. Memmler**
**R.F.D. San Gabriel, Cal.**
**Pedigreed Eggs and Stock For Sale**

# INCUBATORS AND BROODERS

WE ARE SOLE AGENTS IN SOUTHERN CALIFORNIA FOR THE CELEBRATED

## JUBILEE INCUBATORS AND BROODERS

**216 Egg Jubilee Incubator**
**Weight 110 lbs.**
**Price $32.00**

## JUBILEE INCUBATORS

The Jubilee Incubators are radically different from all other Incubators. They are constructed on a different principle, with the same idea in view it is true, but a different method is followed to gain results. The Jubilees are made from infinitely better materials than any other machines, more materials are used, and the whole cost of construction is a great deal more than any other machine

**Its record is unapproached.**—The Jubilee has proven its vast superiority in the hands of thousands of practical operators. It has replaced and is replacing incubators of every known make. Where the Jubilee is known the Jubilee is used. The reason why is very simple: By test it proves a vastly more practical machine, giving greater and more certain results.

## PRICE LIST

**Incubators**

| | Weights | Price |
|---|---|---|
| 108 egg Jubilee Incubator | 110 lbs. | $22.00 |
| 216 egg Jubilee Incubator | 150 lbs. | 32.00 |
| 324 egg Jubilee Incubator | 200 lbs. | 40.00 |
| 504 egg Jubilee Incubator | 260 lbs. | 50.00 |

**Sectional In-Door Brooders**

| | | |
|---|---|---|
| 2 section 100 chicks | 100 lbs. | $14.00 |
| 3 section 150 chicks | 135 lbs. | 16.00 |
| 4 section 200 chicks | 170 lbs. | $18.00 |
| No. 2 Brooder Lamp Complete | | 1.25 |
| No. 3 Brooder Lamp Complete | | 1.50 |
| No. 2 Incubator Lamp Complete | | 1.25 |
| No. 3 Incubator Lamp Complete | | 1 50 |

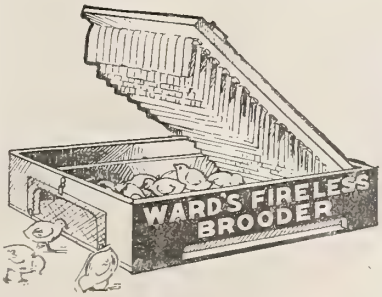
Egg Testers 25 cents each.

**Write or ask for special Jubilee Incubator and Brooder Catalogue.**

# A. P. WARD & SON'S FIRELESS BROODER

If the chicks are placed in a Ward's Fireless Brooder the animal heat of the chicks is utilized to the best possible advantage and the heat accumulators under which they are hovered, keep them in perfect condition, in a most natural manner. No lamps, hot water, steam, gasoline or any kind of artificial heat is used in this brooder; neither is the brooder house required to be heated. Our experience has taught us that chicks do best when kept in lots of 100 or less.

**Ask for Ward's pamphlet "for the chick's sake."**




## PRICE LIST

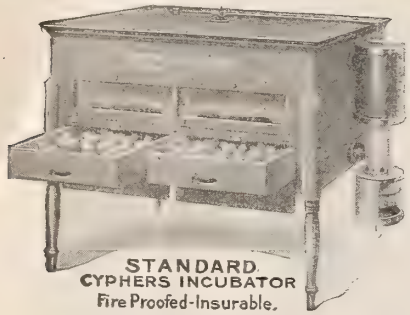
Model A Indoor Brooder, size 2 ft. 4 in. x 2 ft. 4 in., capacity 50 to 100 chicks up to six weeks old; 1 section ..... $6.00

Model B Indoor Brooder, size 5 ft. 6 in. x 2 ft. 4 in., capacity 150 to 250 chicks up to six week old; 2 sections ..... $12.00

Model D Indoor Brooder, size 11 ft. x 2 ft. 4 in. capacity 300 to 500 chicks up to six weeks old; 4 sections ..... $20.00

Model E 50 to 150 chicks, outdoor, $14; capacity, 100 chicks up to six weeks old ..... $14.00

Model K, Indoor Brooder, size 3 ft. 4 in. x 2 ft. 4 in., capacity 150 chicks up to six weeks old ..... $7 50

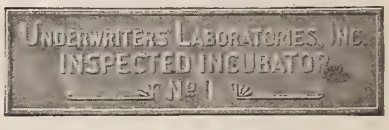



# STANDARD CYPHERS INCUBATORS

LOOK FOR TRADE MARK AND LABEL

**Practical Poultry Raisers should Look for and Demand the Qualities that have made CYPHERS INCUBATORS World Famous**

FIRE-PROOFED, INSURABLE,
SELF-VENTILATING
SELF-REGULATING
NON-MOISTURE, ETC.




Form of Numbered Brass Label on every Standard Cyphers Incubator.

## INCUBATORS

**For 1911** we offer our customers the Cyphers Company's advanced line of incubators and brooders. **For years** the Cyphers Incubator has been consistently improved, always maintaining the leadership throughout the English-speaking world, until today it represents all that is best and most reliable in incubator construction.

**To own a Cyphers** is to have an incubator that stands **first**, not only because it has affixed to it the fire insurance label granted by the National Board of Fire Underwriters, and bears a world-wide reputation, but because of the big and important fact that it is THE BEST HATCHER of large, vigorous, liveable chicks.

**The principles of construction** that have made Cyphers Incubators "the leader" for the last twelve to fifteen years **remain unchanged.** Their patented features, their entire freedom from the bothers, disappointments and losses common to the "cheap" incubator, make these standard machines the best for you to own **first, last and all the time.** They are especially adapted to Pacific Coast climate and weather conditions. Ask any Pacific Coast man who owns one. He knows—and will tell you the reasons why.

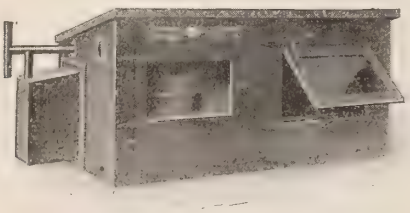
**Cyphers Incubators** have been on the market fifteen years, and today are used by more Government Experiment Stations, on more large, practical poultry plants, on more successful duck and egg farms, and by a larger number of foremost poultry breeders, than all other makes combined. For proof of these statements send for a copy of the latest COMPLETE CATALOGUE AND POULTRYMEN'S GUIDE, 1911 edition now ready for mailing—free on request.

**Every Standard Cyphers Incubator is guaranteed** by the manufacturers, and we hereby place our guarantee back of theirs. In buying a Cyphers you take no chances. Persons who earnestly desire to succeed in the poultry business should have the right tools with which to work. Write us today for free illustrated descriptive matter of these superior hatching machines.

### SIZES AND PRICES OF CYPHERS FIREPROOFED INCUBATORS

| | |
|---|---|
| No. 0 Holds 70 Eggs | $17.00 |
| No. 1 Holds 144 Eggs | 24.00 |
| No. 2 Holds 244 Eggs | 34.00 |
| No. 3 Holds 390 Eggs | 40.00 |

These prices are free on board cars, Los Angeles, Cal.



CYPHERS STYLE B OUTDOOR BROODER

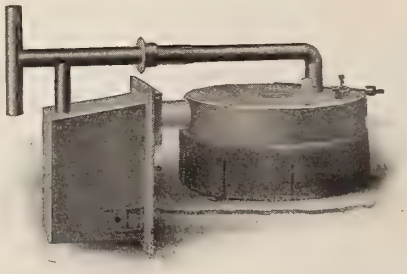
## COMBINATION BROODERS AND COLONY COOPS

**For 1911**—Cyphers Unequalled Brooders possess the same advantages over other makes that are possessed by their 1911 Incubators, in that they are Fireproofed and Insurable, having the First Insurance Inspection Label ever granted on a Brooder.

Cyphers 1911 Brooders are all Self-Regulating and Self-Ventilating. The Outdoor Brooders are also usable as Colony Coops for the growing chicks. They are easily converted into Colony Coops by simply taking out the hover, which is made removable for that purpose. **This double use of the Brooder means a considerable saving of money.** It makes a safe and comfortable enclosure for the young chicks at night and saves the buying of a coop for them. These outdoor brooders can also be used indoors, although we have a special brooder for indoor purposes. It has often been said by users of Cyphers Brooders that

## They Mother the Chicks better than a Hen

**A second great advantage possessed by the Cyphers line of Brooders for 1911 is their self-regulating feature.** For years the self-regulator was attached only to our highest priced brooders, but it was so well received that we have attached it to all the Cyphers Company Brooders. **It automatically regulates the heat in the brooder at all times,** whereas in brooders without the regulator the heat has to be governed by a continuous watching of the lamp and turning it up or down whenever more or less heat is required.



CYPHERS COMPANY ADAPTABLE HOVER

**In addition to this splendid line of self-regulating Brooders,** we offer separately the ADAPTABLE HOVER. It is designed to be used anywhere that heat is required for brooding chicks. It can be used in the corner of a Colony House, henhouse, barn or other building, with or without any additional enclosure for the chicks. It is the best device thus far invented for heating home-made brooders, and is especially recommended for use in long brooding houses—a separate Adaptable Hover for each pen.

Write for fully illustrated description of this leading line of Brooders.

### SIZES AND PRICES OF CYPHERS FIRE-PROOFED BROODERS

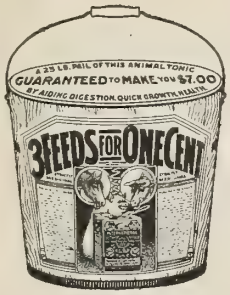
| | |
|---|---|
| Adaptable Hover, 75 chicks | $ 9.50 |
| Style A Outdoor Brooder—75 chicks | 14.00 |
| Style B Outdoor Brooder—100 chicks | 18.00 |
| Style D Indoor Brooder—75 chicks | 13.00 |

These prices are free on board cars, Los Angeles, Cal.

# INTERNATIONAL STOCK FOOD

DAN PATCH 1:55 MINOR HEIR 1:59½

**The Fastest Harness Horses in the World.**
**Fed every day on International Stock Food.**




## Three Feeds for One Cent

"INTERNATIONAL STOCK FOOD" is prepared by a regular manufacturing chemist and stock breeder, and is guaranteed to be equally good for all kinds of live stock, and to contain nothing harmful even if taken into the human system. It is prepared from roots, herbs, barks and seeds. It cures and prevents disease, saves pain by aiding digestion and assimilation, purifies the blood and gives renewed life, greater strength and makes stock fat, sleek and glossy. It has the largest sale in the world for **Horses, Cattle, Sheep, Colts, Calves, Lambs, Pigs and Goats.**

"INTERNATIONAL STOCK FOOD" is by far the cheapest and best. Put up in 25 ct., 50 ct., and $1.00 packages; also in 25-lb. water-tight pails, which retail at $3.50 each.

**It is not what an animal eats, but what is thoroughly digested that results in vigorous life and increased flesh.**

White and Brown Leghorns bred by G. T. Roberts, Manhattan Beach, Cal.
Eggs & Chicks for Sale

# INTERNATIONAL POULTRY FOOD

A Medicated Poultry Food which gives the most remarkable results ever known, and is the largest seller. It prevents disease. It cures Chicken Cholera. It greatly increases the egg production, and it makes the chickens grow very rapidly. **Put up in 25 ct., 50 ct., and $1.00 Size Packages, and 25-lb. Pails $3.50.**

**THE WONDERFUL EGG PRODUCER.** The great production of eggs has given the "International Poultry Food" a wonderful reputation throughout every state. We guarantee that it cannot be fed to hens at any time, winter or summer, without showing a large increase in eggs. You do not have to use the food at an extra expense, because it will make you more money after deducting its cost. One extra egg per month will pay the entire cost of feeding it, and often more than doubles the supply. It contains no poisonous or injurious ingredients, and has very superior merits.

### REMARKABLE CASH GUARANTEE

**Which is Printed on every Label**

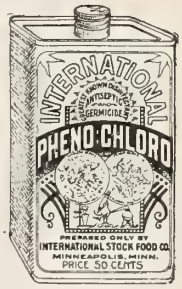
Buy, pay for and use one 25 ct. box, or one 50 ct. box, or $1.00 size box of "International Poultry Food," as directed, and if it fails to fulfill our claims write to our office and we will refund your money. We will pay anyone $100 cash if we ever refuse to live up to this agreement.

### ALSO CHEAPEST TO USE

Our 25 ct. box contains 100 feeds for 12 fowls. Our $1.00 size box contains 400 feeds for 12 fowls. You cannot afford to pay 25 cents per box for some other kinds that only contain 25 feeds. 100 feeds for 25 cents is certainly very much cheaper than 25 feeds for 25 cents. We save you 75 cents over other kinds. 25 ct. size by mail 25 cts. extra.

INTERNATIONAL FOOD CO., Minneapolis.

**Only costs 8 cents a month to feed it to 12 hens.**




# INTERNATIONAL STOCK AND POULTRY REMEDIES

### INTERNATIONAL WORM POWDER

is a superior concentrated vermifuge for horses, colts and other animals. It removes the primary cause and expels the worms. Tones up the stomach, liver and bowels, and invigorates and strengthens the entire system, so that any disposition for worms in the animal is avoided. A perfectly harmless vegetable preparation for all animals, as it is guaranteed to contain no poisonous or injurious ingredients. Price, per box 50 cts.; by mail 20 cts. extra.

### INTERNATIONAL DISTEMPER CURE

The Distemper Cure is radically different from many preparations on the market, for this trouble. It is composed of absolutely pure drugs in a highly concentrated form, the various ingredients making a combination that is used by many of the most prominent Veterinarians in the United States. Price, 50 cts.; sent by mail, 23 cts. extra.

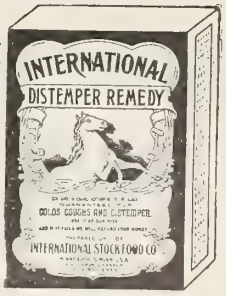
**Read the Guarantee on Every Package.**

### INTERNATIONAL HOOF OINTMENT

Especially recommended for the treatment of horses' hoofs. Will grow an entire new hoof in a short time. Keeps the hoof soft, tough and elastic. A hard, brittle, contracted hoof, will soon ruin your horse. Guaranteed free from all injurious ingredients. Price, 1½ lb. in tin pail, $1.00.

### INTERNATIONAL HEAVE CURE

A positively guaranteed remedy for Heaves, Asthma, Broken Wind, Coughs, etc. The "International Stock Food Co." will refund your money if your horse is not cured or benefited by the use of one box as directed. The formula for this Heave Cure was bought from a prominent Surgeon, who, after eighteen years of test found it to be the only reliable remedy for Heaves, Asthma, Broken Wind, etc. Complete directions for use on every package. Price, 50 cts.; sent by mail, 22 cts. extra.




### INTERNATIONAL HARNESS SOAP AND EBONY OIL DRESSING

A fine preparation for cleaning and preserving your harness and leather goods. Get a can of it and make your old harness look like new. Price, 1 lb. can, 25 cts.; 2¼ lb. can, 50 cts.

### INTERNATIONAL GALL CURE

The great healing Salve. Easy and pleasant to use. For human or animal flesh. The "International Stock Food Co." will refund your money if it ever fails to cure Galls, Sore Shoulders, Sore Necks, Sore Backs, Sore Mouths, Cuts, Bruised Heels, etc. Also a quick cure for Sore Teats, etc., on cows. Price, small can 25 cts.; sent by mail 4 cts. extra; large can, 50 cts.; sent by mail 10 cts. extra.

### INTERNATIONAL LOUSE KILLER POWDER

Is guaranteed to quickly kill Lice, Fleas, Mites, etc., and it will not hurt the hens. It is a dry powder and put up in regular sifting box with tin cover, which makes it very easy to use. The box is extra large and retails for 25 cts.

# POULTRY Germain's SUPPLIES

**Buff Orpington**
**Bred by J.J. Dean**
**Moneta, Cal**
**Eggs & Chicks for Sale**

### INTERNATIONAL ANTISEPTIC HEALING POWDER

Is an invaluable remedy for use on all kinds of stock, in the healing of cuts, old sores, galled shoulders, and necks and wounds of all kinds. Keeps the wound clean and healthy, and assists in effecting a rapid healing of the wounded parts. Is equally effective when used either as a wash or in powder form. This remedy is equally effective for man or beast. Price, 25 cts.

### INTERNATIONAL PHENO-CHLORO

The greatest known disinfectant, germicide, antiseptic and insecticide. It prevents contagious diseases. Very cheap to use. One 50 ct can will make thirty gallons ready for use. It will cure Mange, Ringworm and Scab on stock; will destroy Maggots, Lice, Fleas, Horn Flies, Screw Worms, Cockroaches, Bed Bugs, and is especially recommended to keep flies off stock. A reliable disinfectant and germicide is necessary around every house if good health is desired. Many farms have poor drainage, and especially need it for drains, cesspools, outdoor closets, etc. Complete directions on every can. Price, 25 cts., 50 cts. and $1.00.

### INTERNATIONAL ROUP CURE

Guaranteed to cure Roup if taken in time, and as a preventive is a great success. Don't wait until your chickens are all afflicted with Roup, but have a box of "International Roup Cure" on hand and use it occasionally in their drinking water, according to directions. Price, postpaid 50 cts.

### INTERNATIONAL LOUSE PAINT

A guaranteed Louse Killer that positively does the work. An undiluted preparation for the destruction and eradication of all insect life injurious to poultry, and far superior in its work to many so-called louse paints and killers which flood the market. Complete directions for use on every can. Put up in 1 qt. cans, 35 cts., ½ gal. cans 60 cts., 1 gal. cans $1.00.

### INTERNATIONAL SCALY LEG OINTMENT

Will positively eradicate all evidence of scaly leg in poultry, restoring their legs to their natural bright and smooth condition. Especially recommended for poultry for market or exhibition purposes. Price 25 cts.; postage 4 cts. extra.

### INTERNATIONAL HOG WORM REMEDY

Many diseases of hogs are caused from the presence of worms. International Worm Remedy will quickly rid the system of worms, tone up, and strengthen the animal, so that more serious diseases are avoided. Package $1.00.

### INTERNATIONAL BOWEL TROUBLE REMEDY

For arresting Diarrhoea in poultry and restoring the organs to their normal condition. Price, postpaid 50 cts.

International Silver Pine Healing Oil, 25 cts., 50 cts., $1.00 per bottle.

International Honey Tar Foot Remedy, can 50 cts.

International Foot Remedy, price per can, 50 cts.

International Colic Cure, price 50 cts., and $1.00 per bottle

Dan Patch White Liniment, per bottle, 50 cts.

### INTERNATIONAL CHOLERA CURE

A preventive and cure for Chicken Cholera. Price, 25 cts. per bottle.

### INTERNATIONAL GOPHER POISON

As its name implies, will effectually destroy **Gophers, Squirrels, Mice, Birds,** and in fact all animal life. Price per can, 50 cts.; postage 20 cts.

**Write or ask for special International Catalogue giving a complete treatise on Horses, Cattle, Hogs, Poultry and Sheep.**

# KOW KURE-The Remedy for Cows and Goats off their Feed

### KOW CURE FOR COWS AND GOATS

Is a positive cure for Abortion, Barrenness, Scouring, Bunches in the Udder, Red Water and "off feed." **Kow-Kure** removes Retained Afterbirth, makes pure blood, corrects stomach disorders, improves the appetite, and being a safe and powerful tonic, it makes a larger flow of richer milk. Price per pkg. 50 cts., postage 25 cts.; $1.00 size, postage 55 cts. extra.

### BAG BALM FOR COWS AND GOATS

We recommend **Bag Balm** for all diseases of udder and teats: Caked Bag, Sore Teats, Bunches, Chapping, Cuts, Inflammation, etc. It makes easy milkers of hard ones, keeps all the parts in a sanitary, healthful condition. Price, 50 cts.; by mail 12 cts. extra.

### GRANGE GARGET CURE FOR COWS AND GOATS

We recommend **Grange Garget Cure** for that strange disorder so peculiar to cows—the hardening of the udder or garget. Inexperienced people often mistake it for caked bag, bunches in bag, etc. Remember it is a separate disease with its own peculiarities, causes, etc. Twenty-three years' use by dairymen and farmers proves its economy and value. Price, 50 cts.; postage 30 cts. extra.

### AMERICAN HORSE TONIC

We recommend **American Horse Tonic** as a general improver for horses. Hundreds of users tell us that horses look better, feel better, act livelier, are full of snap and ginger when they are given it. Besides this, we recommend it as a Worm Expeller; for Lost Appetite, Rough Hair, Coughs, Inflammation of Lungs and Bowels, Stoppage of Water, Recent Founders, Distemper, etc. Price, 50 cts. a box; by mail 16 cts. extra. Small box 25 cts.; by mail 9 cts. extra. Ask your dealer for **Kow-kure.**

### AMERICAN HORSE COMFORT

We recommend **Horse Comfort** for all Flesh Wounds, Wire Cuts, Galls and Sores of long standing, for Blood Poison, Proud Flesh, Scratches, Mud Fever, for Snag Wounds, Sore Shoulders, Grease Heel, Malignant Ulcers, Fistula, Poll Evil, Corns on horses, etc. We claim that **Horse Comfort** has won the right to the name—**"The World's Greatest Healer."**

Price, 25 and 50 cts. per bottle. Small bottle by mail 11 cts. extra, large bottle by mail 20 cts. extra.

**Send for free Kow booklet, "More Dairy Dollars and How to Get Them."**

# "NIT"

### FLY REMOVER, LICE KILLER AND DISINFECTANT

A liquid to be sprayed on the animal or in the poultry house.

What every Dairyman, Farmer, Teamster, Breeder and Blacksmith should use.

Removes Flies and Mosquitoes instantly.

Kills Ticks and Lice on Hogs, Horses, Cattle and in Poultry Houses.

Acts as a disinfectant and promotes health. (It will cost you about one cent to cover ten cows, and about ten minutes to do the work.)

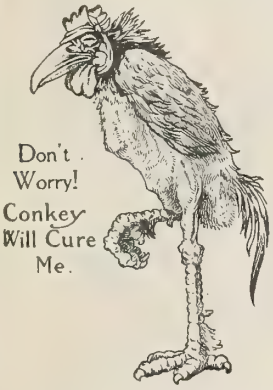
Price ½ gallon, 50 cts.

# CONKEY'S POULTRY REMEDIES

are known the world over as being the most scientific and reliable. They are not "cure-alls", but comprise a special remedy for each particular disease of the poultry yard, prepared after years of actual experience and diligent research.

Each of these remedies is guaranteed to this extent: that should they fail to please the purchaser from any reason whatever, his money will be returned without a question.

Bellevue Strain Barred Plymouth Rock
Bred by
Frederick Espe,
4425 So. Main St.
Los Angeles, Cal.
Eggs & Chicks for Sale




SEND FOR

## CONKEY'S FREE BOOK

ON

POULTRY AND STOCK DISEASES

**CONKEY'S ROUP REMEDY** is used wherever chickens are raised and is known as the most dependable remedy for Roup every discovered, if given in anything like reasonable time. Prices, 50c and $1.00 postpaid.

### CONKEY'S LAYING TONIC

To lay eggs regularly the fowl's health must be as nearly perfect as possible, and the egg producing organs must be kept free from disease and irritation. CONKEY'S LAYING TONIC is a compound of vegetable extracts, herbs, roots, etc., so proportioned that they act gently on the fowl's internal organs, relieve and remove any irregularity that may exist, and generally tone up the system.

| | |
|---|---|
| Price 1½ lbs | $ .25 |
| Price 3¼ lbs | .50 |
| Price 7 lbs | 1.00 |
| Price 25 lb. Pail | 3.00 |

### CONKEY'S LICE POWDER

For successfully killing lice nothing can equal a powder which is properly made. CONKEY'S LICE POWDER is the result of our most careful study and research, and is a combination which will positively kill these pests, and yet which is harmless to fowls of all ages. We believe that it is the strongest and most effective powder on the market. It will kill lice on **poultry, cattle and horses, ticks on sheep, fleas on dogs and vermin of all sorts.** It will also **kill bugs on cucumbers, squash and melon vines, slugs on rose bushes, etc. It is also a most effective disinfectant and germ destroyer.**

CONKEY'S LICE POWDER is guaranteed to please you.

**Prices, 5-oz. box 10 cts.; postpaid 15 cts.**
**15-oz. box, 25 cts.; postpaid 40 cts.**
**48-oz. box 50 cts.; postpaid or express paid $1.00.**

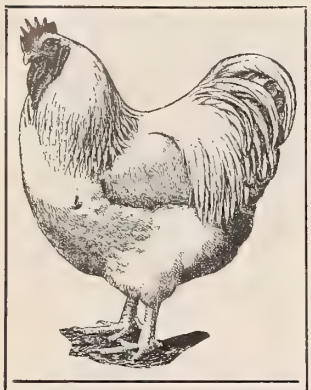
**100-oz. box $1.00; freight or express at customer's expense.**

| | | |
|---|---|---|
| **Conkey's Bronchitis Remedy** | | $ .50 |
| **Conkey's Cholera Remedy** | 25 cts. and | .50 |
| **Conkey's Gape Remedy** | | .50 |
| **Conkey's Chicken Pox Remedy** | | .50 |
| **Conkey's Limber Neck Remedy** | | .50 |
| **Conkey's Scaly Leg Remedy** | | .50 |
| **Conkey's Rheumatic Remedy** | | .50 |
| **Conkey's Healing Salve** | 25 cts. and | .50 |
| **Conkey's Poultry Laxative** | | .50 |
| **Conkey's Poultry Tonic** | | .25 |
| **Conkey's Flea Salve** | | .25 |
| **Conkey's Head Lice Ointment** | 10 cts. and | .25 |
| **Conkey's Lice Liquid** | 35 cts., 60 cts. and | 1.00 |
| **Conkey's Nox-I-Cide** | 35 cts., 60 cts., 90 cts. and | 1.50 |

### LIST OF CONKEY'S STOCK REMEDIES AND SPECIALTIES

| | |
|---|---|
| **Conkey's Stock Vigor Packages, 25 cts., 50 cts., $1.00, Pails, 25 lbs** | $3.50 |
| **Conkey's Horse Tonic, per Bottle** | 2.00 |
| **Conkey's Healing Powder for Horses, etc., per Box** | .50 |
| **Conkey's Colic Remedy for Horses, per Bottle** | .50 |
| **Conkey's Heave Remedy for Horses, per Package** | 1.00 |
| **Conkey's Hoof Remedy, Pints 50 cts., Qt. 75 cts., ½ Gal** | 1.25 |
| **Conkey's Worm Remedy for Horses, "Powder," per Box** | .50 |
| **Conkey's Fever Remedy Powder** | 1.00 |
| **Conkey's Absorbent, per Bottle** | 1.00 |
| **Conkey's Pain Lotion, per Bottle** | .50 |
| **Conkey's Poll Evil Remedy, per Package** | 2.00 |
| **Conkey's Fly Knocker, 1 Qt. 35 cts., 2 Qts. 60 cts., 1 Gal** | 1.00 |
| **Conkey's Mange Remedy for Dogs** | .50 |
| **Conkey's Ant Chaser, Packages 25 cts., 50 cts. and** | 1.00 |
| **Conkey's Bug and Moth Killer, 7 oz. Bottle, 25 cts., 1 Pt. 50 cts., ½ Gal** | 1.25 |
| **Conkey's Pino 7 oz. Bottle, 25 cts., 1 Pt. 50 cts., Qt** | .75 |
| **Conkey's Distemper Remedy for Dogs** | .50 |

**Send for Conkey's book on stock diseases. IT'S FREE.**



White Orpington Cock
Bred by A. W. Huskins
713 Waterloo St.
Los Angeles, Cal.
Eggs & Chicks For Sale

# Coulson's EGG FOOD

MADE IN PETALUMA

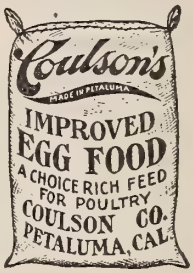
**"A Balanced Ration for Laying Hens and Growing Fowls."**
**Builds up Bone and Muscle and Makes Hens Lay**

**Coulson's Egg Food** is manufactured in Petaluma, Cal., where there are more chickens than in any other equal area in the world, and is the best and only successful balanced ration for **Dry Hopper Feeding;** is best when kept before the fowls dry in the hopper all the time. It may also be fed wet as a morning mash, whether for Chickens, Pullets, Hens, Cockerels, Capons, Ducks, Turkeys or Geese. All the ingredients it contains are of the best, and it is therefore especially valuable as a food for breeding fowls and ducks. Price per sack of 90 lbs., $2.30. Ton prices on application.

**Coulson's Improved Egg Food** is a highly concentrated food, containing a large percentage of protein and egg producing material, due to the quantity of meat meal, blood meal, bone meal, etc., which go toward making up its composition, and is specially suited for fowls during the molting season and winter.

By feeding Coulson's Egg Food or Improved Egg Food you will keep your flock in a healthier condition; not only on account of the perfect balance of the ration, but also because their digestion is not overtaxed.

Price per sack of 90 lbs., $2.40, subject to change. Write for prices on large quantities.




**DON'T YOU WANT MORE EGGS**

**SEE THE VIGOROUS BIRDS FED ON COULSON'S EGG FOOD**

## Coulson's SPECIAL CHICK FOOD

MADE IN PETALUMA

Coulson's Special Chick Food contains the ingredients that are best adapted to give nourishment to the growing chicks. Sweet, tender seeds, cracked grains, blown free from dust, cut oat meal, tiny pieces of cooked and dried meat, fine particles of fresh cut bone, charcoal, burnt bone, etc.

Each article is carefully selected with a view to its quality, soundness, and adaptability to the digestion of the young chick. It is a complete feed, requiring nothing in addition, except green feed, grit and water. Price 100 lbs., $3.50, package 25 cts.

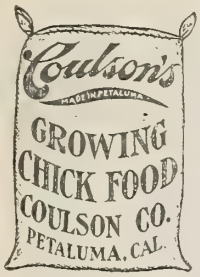
## Coulson's GOLDEN WEST CHICK FOOD

MADE IN PETALUMA

Coulson's Golden West Chick Food is prepared for those who want a cheap and safe baby chick food. While it is not equal to Coulson's Special Chick Food it will be found to surpass all others, and contains absolutely no grit or cheap filler. 100 lbs. $3.25.

**Ask for Coulson's booklet, "THE RIGHT WAY."**

# POULTRY Germain's SUPPLIES




Coulson's MADE IN PETALUMA

## GROWING CHICK FOOD

**A PROPERLY PROPORTIONED RATION FOR PROMOTING QUICK GROWTH**

**COULSON'S GROWING CHICK FOOD** is a balanced ration of cracked grains, seeds, mill feeds, meat and bone meals, carefully mixed according to a formula which has been compiled only after much experimenting.

It contains everything that a young chick requires up to three months old, and can be fed either from the commencement, or to gradually supersede **COULSON'S SPECIAL DRY CHICK FOOD**, say four to six weeks old.

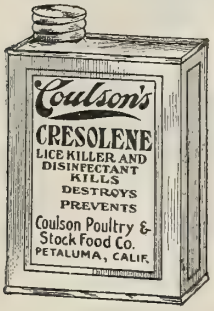
It can be fed until the chickens are three months old, when you can commence feeding **COULSON'S EGG FOOD.**

Price, Coulson's Growing Chick Food, 90 lb. sack, $2.75.

Coulson's MADE IN PETALUMA

## No 3 CONDITION POWDERS

Is not claimed to be a cure-all by any means. It does contain, however, the very best articles to be found in the world for toning up and regulating the digestive and reproductive organs of the hens, enabling them to digest and assimilate a much greater percentage of their food than otherwise. It is especially useful in getting your flock in good condition before and through the molt, and thus giving you more eggs during the fall and winter when prices are high. Prices, 1¼ lb. pkg. 25 cts., 2¾ lb. pkg. 50 cts., 10 lb. pkg. $1.35, pail, 25 lbs., $3.




Coulson's MADE IN PETALUMA

## CRESOLENE

**COULSON'S CRESOLENE** is a powerful disinfectant, insecticide and germicide, capable of dilution up to 1 part to 100 parts water, with which it forms a perfect emulsion. It is non-poisonous, non-corrosive, preventing as well as curing numerous diseases. Price 1 qt. can, 50 cts., ½ gal. 85 cts., 1 gal. $1.25.

Coulson's MADE IN PETALUMA

## CHOLERA CURE

When Cholera is noticed in the flock, separate the infected birds from the healthy, then thoroughly clean houses and yards. Put COULSON'S CHOLERA CURE in the drinking water. Feed all the flock light, giving a little No. 3 Condition Powder in the mash. Price, 25 cts. per bottle. Not mailable.

**ASK FOR COULSON'S BOOKLETS**

**"PREVENTIVE AND CURE OF POULTRY DISEASES"**

Use
Coulson's Special
Chick Food
and Watch the
Chicks Grow.

**Buff Wyandottes**
**Bred by O. S. Hoffman**
**San Jacinto, Cal.**
**Eggs & Stock for Sale**

Coulson's MADE IN PETALUMA

## DUCK FOOD

For young ducks and breeding stock.

**ASK FOR COULSON'S "DUCK BOOK"**

Coulson's MADE IN PETALUMA

## ANTI-FIGHT

Coulson's Anti-Fight will prevent little chicks from picking one another. Apply the mixture to the spot where the chicks pick. The chick that picks at it again will get one taste and will not want another. The mixture is also very healing to the sores and its peculiar taste will soon stop the chicks from picking. Price, 35 cts. per jar. Not mailable.

Coulson's MADE IN PETALUMA

## ROUP CURE

For external and internal use. This is a reliable remedy for Roup, Canker or Colds. It is simply put in the drinking water, and the fowls take their medicine. Price, 4 oz. bottle 25 cts., 12 oz. bottle 50 cts. Not mailable.

### CRUDE CARBOLIC ACID

This well-known disinfectant and germicide is extensvely used, mixed in whitewash and also in crude oil and distillate for spraying poultry buildings and roosts.

It is also largely used undiluted, as a preservative of timber.

In setting posts for poultry yards in the ground it is well to dip the ends in Crude Carbolic Acid, which insures them from rotting for an indefinite period.

Prices: f. o. b. Petaluma, ½-gal. can 45 cts., 1-gal. can 60 cts. 5-gal. can $2.

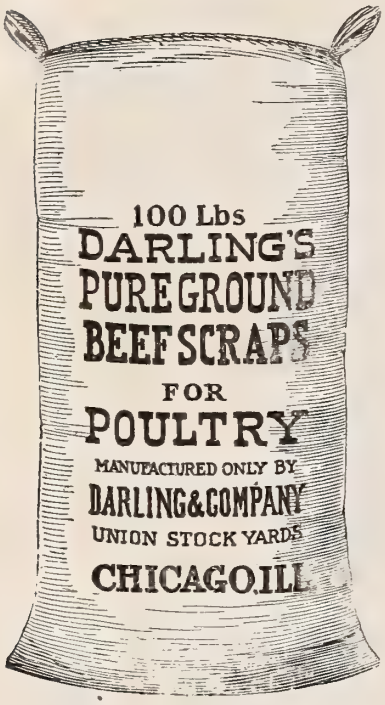
**REMEMBER THE NAME DESIGN**

Coulson's MADE IN PETALUMA

**STANDS FOR QUALITY AND IS GUARANTEED**

# POULTRY Germain's SUPPLIES

## DARLING'S HIGH PROTEIN BEEF SCRAPS




**MAKES THE HEN LAY EVERY TIME**

After years of use **Darling's Beef Scraps** are acknowledged by all poultrymen to be the highest grade animal food on the market, and the fact that these are more used than all other brands of Beef Scraps combined is sufficient proof that they are the best. We accordingly claim that 100 pounds of **Darling's High Protein Beef Scraps** have the feeding value of 200 pounds of any other scraps. Manufactured only by **Darling & Co.**, who have a special process of extracting the water and fat, leaving only the best of meat in a concentrated form, which will keep in any climate. Price, 50 lbs. $2, 100 lbs. $3.75.

For analysis, see Bulletin No. 164, Agricultural Experiment College, Berkeley, Cal.

**We are Sole agents in Southern California for**
**DARLING & CO.**
**UNION STOCK YARDS, CHICAGO**
**Manufacturers of Pure Unadulterated Animal Foods.**

**White Cornish Fowl**
**Bred by J. W. Whitney**
**Upland, Cal.**
**Eggs & Chicks For Sale**

## DARLING'S CHICK FEED

**DARLING'S CHICK FEED** is composed of such grains, seeds, meat products, etc., as the experience of thousands of successful poultry raisers have found necessary for the proper development, etc., of chicks. Price per lb. 5 cts., 50 lbs. $1.75, 100 lbs. $3.25.

**Darling's Beef Meal for Poultry.** Price 100 lb. sack, $3.

## PREMIUM SCRATCH FOOD

**PREMIUM SCRATCHING FOOD** is an ideal grain mixture. It contains a variety of grains, bone, meat, charcoal, etc. If fed in straw, leaves or other litter, it will not only give the proper variety necessary to the hens, but will make them exercise, keep them in health, and insure plenty of eggs Price per 100 lbs., $2.50.

## COTTON SEED MEAL

**COTTON SEED MEAL.** As a food for poultry Cotton Seed Meal has proven to be richer than Flax Meal or any other similar food; assisting greatly the egg production. For fattening market poultry it is excellent, imparting to the skin a rich, yellow color. Price 100 lbs., $3.

## RAW BONE MEAL

**(Granulated or Fine)**

It is made from fresh bones from which the moisture has been taken, leaving nothing but the phosphates, lime and protein. Bone is especially valuable as an egg producer. Prices, 100 lbs., $2.50, 50 lbs., $1.25, 1 lb. 3 cts. Special prices on ton lots.

White Polish Bantams "Looking for Germain's Premium Scratch Food."

## California Calfalfa Meal

Green Food can be had every day in the year for your Horses, Cattle, Hogs, Poultry, Goats, Sheep, etc., in fact, any ANIMAL, if you USE CALFALFA MEAL.

CALFALFA MEAL is properly ground and will save one-third your feed bill; is especially adapted for milk Cows; will increase the flow of milk and will make a better quality of milk, butter, cheese, etc. Also unexcelled for Poultry, to be mixed with the soft feed. Ask for SPECIAL PAMPHLET which gives special directions for feeding CALFALFA MEAL to all Fowls and Animals. Price per sack, 100 lbs., $1.50.

## Eastern Willow Charcoal

The grade we are offering is the best obtainable, and must not be compared with that made for fuel purposes. We carry in stock three sizes, namely, coarse, medium, fine and pulverized. Prices, 3 lbs. 25 cts., 25 lbs. $1, 50 lbs. $1.75, 100 lbs. $3.

## Germain's Pure Blood Meal

Pure Blood Meal, or dried blood, is a great protein-carrier and as an egg-producer it stands high on the list. The grade we offer is especially prepared by a process which eliminates disease germs and other undesirable elements. Our pure blood meal is the best on the market and received special mention from the United States Experiment Station at Berkeley, Cal., Bulletin No. 164 on account of the high per cent. of protein it contained (76.17), and the small per cent. of fat (1.03). When you feed blood meal, be sure it is Germain's. Lb. 5 cts., 50 lbs. $1.85, 100 lbs. $3.50.

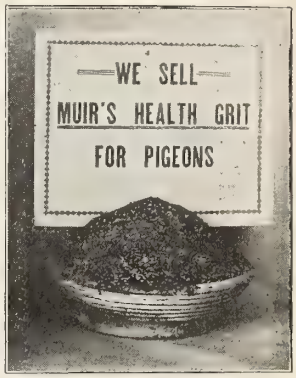
All goods are priced f. o. b. Los Angeles, Cal., except where postage is given.

Hen Pigeon owned by
J. A. Coxe,
218 E. 25th St.,
Los Angeles, Cal.
Stock for Sale

# GERMAIN'S PREMIUM PIGEON FOOD

**Fed and Indorsed by J. A. Coxe, President Southwestern Pigeon and Bantam Club**

Is a complete food for pigeons. Contains everything necessary to promote their growth and health, such as Canadian Peas, Buckwheat, Vetches, Hemp seed, Red Wheat, Kaffir Corn, Millet, and a number of other sound grains, all of which can be fed to the young with the best results. Price per 50 lbs., $1.60; 100 lbs. $3.




# MUIR'S HEALTH GRIT

**FOR PIGEONS**

This grit is especially prepared for pigeons and has no equal. It contains everything that the pigeon needs, except clean water and good grain. This grit keeps your pigeons strong and vigorous, thus producing large and healthy squabs. If you keep pigeons, either fancy or for market, you can't afford to be without a sack of **Muir's Health Grit** in your loft at all times. Price, $2.25 per 100 lbs., f. o. b. Los Angeles.

# POULTRY FOODS, REMEDIES, ETC.

**FLAX SEED MEAL.** Made from pure ground flax seed. Price, 10 cts. per lb.; 10 lbs. 70 cts., 100 lbs., price on application.

**OIL CAKE MEAL.** An excellent food for cattle of all kinds. Sold in lump or in meal. Price, per 100 lb. sack, $3. Subject to change.

**CRUSHED OYSTER SHELLS.** Made from clean, bright shells, and as oysters contain 98 per cent. of pure bicarbonate of line; are probably the best producer of egg shells on the market. Price per 100 lbs., $1.50; 1 lb. 2 cts.

**CLAM SHELL.** Made from clean, fresh shells crushed to suitable size. Price per 100 lbs. $1; 1 lb. 1½ cts.

**CANADIAN FIELD PEAS.** The finest pigeon food, and no one raising pigeons should be without some. Price, 5 cts. per lb., 10 lbs. 50 cts., 100 lbs., price on application.

**SWISS CHARD SEED.** The tops make an excellent green food for chickens. Price, 10 cts. per oz., per lb. 50 cts.

**MICA CRYSTAL GRIT.** A good, hard grit suitable for all kinds of poultry. Price, 100 lbs. $1., 1 lb. 1½ ct. Special prices on quantities.

**GERMAIN'S MARBLE GRIT.** Its chemical analysis shows a proportion of over 99 per cent. of soluble lime, which is rapidly transformed into the greater part of egg-shells. It is bright and quickly attracts the attention of the fowls. Price, 100 lbs. $1.25, 1 lb. 1½ cts. Special prices by the ton or carload.

We also stock and are prepared to furnish best grades of the following at lowest prices, consistent with good quality. Prices subject to market fluctuations will be quoted on application:

Linseed Meal, Wheat, Steel Cut Oats, Egyptian and Kaffir Corn, Cracked Corn, Whole Yellow Corn, Feed Meal, Bran, Rolled Oats, etc.

**PRATT'S POULTRY FOOD.** A poultry regulator, absolutely pure; quickens the growth of young chicks, prevents and cures all poultry diseases. Makes hens lay; 1 lb. 25 cts., 5 lbs. 60 cts.

**PRATT'S ANIMAL REGULATOR.** 25 cts., 50 cts. and 75 cts.

**KILL ROUP.** This Roup Cure is put up in the form of a salve, guaranteed to cure all cases of Roup, Chicken Pox. Price, 25 cts., 50 cts. and $1.

**ACME ROUP.** The Acme Roup Cure, when placed in the drinking water enables the system of the fowl to resist at all times the attacks of Roup. 50 cts. pkg.

**INTERNATIONAL ROUP CURE.** A guaranteed preventive and cure for Roup. The presence of Roup is indicated by a watery discharge from the eyes or nostrils of the fowl. The International Roup Cure is a remedy especially made for the prevention and cure of this disease. We highly recommend International Roup Cure. It will save your fowls and make them profitable. Price per tube, 50 cts., postpaid; 6 tubes, $2.50, postpaid.

**(PULEX) DEATH TO THE FLEA.** Pulex is an insect powder manufactured especially to kill the flea on man, fowl or beast. It is harmless, will not soil the clothes or linen. Price per can, 25 cts. and 50 cts. Per dozen cans, $2.50.

**SULPHUR CANDLES.** The most convenientmethod of fumigating poultry houses and living rooms. Price, 10 cts. each, $1 per dozen.

# GOLD FISH AND FISH BOWLS

Fish Bowl

We do not send Fish C. O. D. Kindly send cash with order. Prices subject to change.

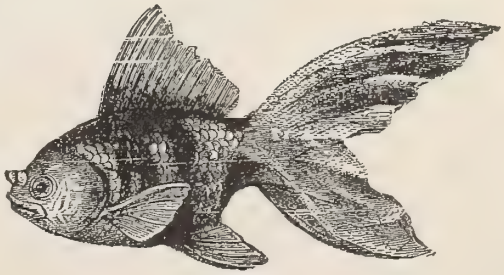
We carry a large stock of these beautiful Fish and the glass bowls suitable for keeping.

American Fish, 25 cts. to 50 cts. each.

Japanese Fish, 35 cts., 60 cts., $1 and up.

**GLASS BOWLS.** Made of clear glass in the following sizes: 8 in. 75 cts., 9 in. 85 cts., 10 in. $1.25, 11 in. $1.50. 12 in. $1.75.

**FISH FOOD.** Specially prepared; will not sour or spoil in water. 10 cts. per pkg., 3 pkgs. for 25 cts.



Japanese Fantail Gold Fish

# Foods and Specialties for Cats, Dogs, and Birds

Lady Blue Eyes
Champion Blue-Eyed Queen of Pacific Coast
Owned by Mrs. J. C. Girton
1019 Florida St.
Los Angeles, Cal.
Breed of fine Angora Cats

THESE REMEDIES ARE BEING USED BY THE LEADING FANCIERS EVERYWHERE

**"SPRATT'S" MEAT "FIBRINE" VEGETABLE DOG CAKES**

The standard dog food. Used at the leading kennels and dog shows throughout the world. A staple and constant food for all breeds of dogs. Price per 3 lb. pkg. 25 cts., 25 lb. bag $2, 100 lb. bag $7.50.

**"SPRATT'S" PUPPY BISCUITS—THE STANDARD PUPPY FOOD**

A perfect and whole food for puppies of all breeds. Puppies should be started on these biscuits when about one month old and they should be continued until such time as their teeth become sound and strong, usually when they are about 6 months old. Follow directions on each package. Prices: pkg. 25 cts., 1 dozen pkgs. $2.85.

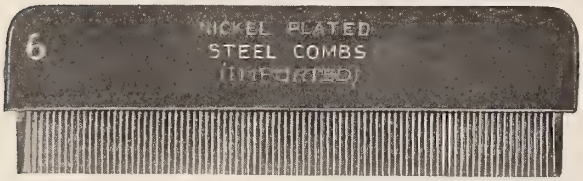
**"SPRATT'S" MEAT FIBRINE "TERRIER" CAKES**

Specially prepared for Terriers and other active dogs. Eaten with avidity, they are easily digested, make bone and muscle, and not fat, thus insuring the true Terrier qualities of energy and action. Price per pkg. 25 cts.

**CAT AND DOG COMBS. Best Nickel-Plated Steel Combs (Imported)**

These combs are especially valuable for catching fleas on long or short haired cats and dogs. The coarse and medium are used only for grooming. Coarse, Medium, Fine, Very Fine are single-edge. Price, 60 cts. each, postpaid; double edge, 75 cts. postpaid.

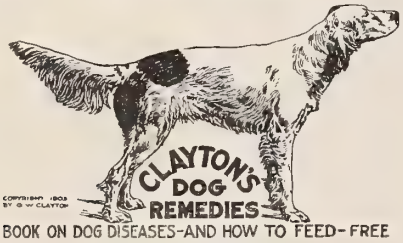
Scotch Collie Dog
Owned by Frank Thomas
115½ No. Broadway
Los Angeles, Cal.




## CLAYTON'S CAT REMEDIES

A Treatise on the Cat by Geo. W. Clayton. Free on Application

| | | | |
|---|---|---|---|
| Mange Cure | $0.50 | Canker Lotion | $0.50 |
| Tonic Catnip | .50 | Cough Cure | .50 |
| Laxative Tablets | .50 | Cat Wash | .25 |
| Vermifuge | .50 | Distemperine Tablets | .50 |
| Fit Cure | .50 | Digestive Tablets | .50 |
| Mouth Wash | .50 | Tapeworm Expeller | .50 |
| Distemperine | .50 | Eye Lotion | .50 |
| Blood Tablets | .50 | Diarrhoea Cure | .50 |
| Worm Tablets | .50 | Cat Soap | .25 |




BOOK ON DOG DISEASES-AND HOW TO FEED-FREE

## Clayton's Celebrated Dog Remedies

**Users of Dog Remedies are Using Clayton's Remedies**

| | | | |
|---|---|---|---|
| Condition Pills | $0.50 | Canker Lotion | $0.50 |
| Diarrhoea Cure | .50 | Fit Cure | .50 |
| Blood Pills | .50 | Sulphur Tablets | .50 |
| Laxative Pills | .50 | Ceoline Soap | .10 |
| Eye Lotion | .50 | Puppy Tonic | .50 |
| Tapeworm Expeller | .50 | Distemperine | .50 |
| Rheumatic Tablets | .50 | Shampoo | .25 |
| Ceoline Dog Wash | .50 | Digestive Tablets | .50 |
| Hair Tonic | .50 | Vermifuge | .50 |
| Mange Cure | .50 | Cough Cure | .50 |
| Worm Pills | .50 | Goitre Cure | 1.00 |
| Chorea Cure | .50 | Dog Soap | .20 |

**CATNIP BALL.** Its object is to afford amusement to and benefit the health of cats. In endeavoring to get the catnip, it induces them to exercise. If the cat plays with it violently, it is saying as plainly as though it could talk, that it desires CATNIP. If you value Kitty's health, give it some. Price, 10 cts. each.

## BIRD SEED

If required by mail 10 cts. per lb. must be added to prepay postage.

| | Per lb. | 3 lbs. | | Per lb. | 3 lbs. |
|---|---|---|---|---|---|
| Mixed Bird Seed | $0.10 | $0.25 | Maw (Blue Poppy) | $0.30 | .... |
| Mixed Canary and Rape | .10 | .25 | Lettuce Seed, for birds | .25 | .... |
| Canary Turkish | .10 | .25 | Cuttle Fish Bone | .40 | .... |
| Hemp | .10 | .25 | Millet, White French | .20 | .... |
| Millet, Italian | .10 | .25 | Sunflower, Russian | .10 | .25 |

**BIRD MANNA** keeps cage birds in constant song, improves their plumage and prevents disease. Price, 15 cts. per tube.

**SPRATT'S BIRD TONIC (HENNING'S).** For the prevention and cure of all diseases which cage birds are subject to. Prices in bottles, 20 cts. Not mailable.

**SPRATT'S SONG RESTORER (DUNLAP'S).** A treat and tonic for canaries, linnets, and all seed eating birds. Price, 20 cts; by mail 25 cts.

**SPRATT'S BIRD LICE DESTROYER (HENNING'S).** For dusting the feathers. Price, 20 cts.; by mail 23 cts.

**SPRATT'S PARROT FOOD.** A mixed food for parrots which should be kept before them all the time. Price in cartons, 10 cts. each.

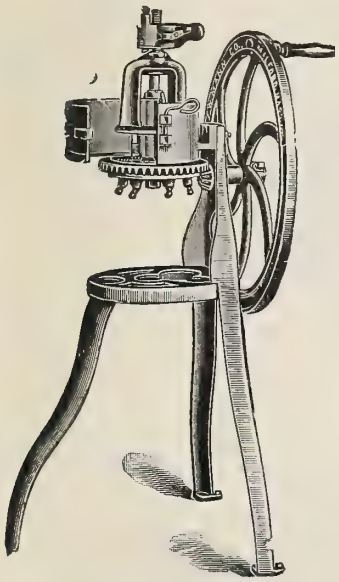
**LYON BRAND SILVER WASHED BIRD GRAVEL** is especially prepared for cage birds. To properly care for the bird, clean the cage and sprinkle the bottom with this gravel once a day. Price per pkg. 10 cts., 3 pkgs. 25 cts.

**McALLISTER'S MOCKING BIRD FOOD.** The purest food obtainable for Mocking Birds, Robins, Nightingales, Thrushes, Black Birds, Skylarks, and other soft billed birds. Price per jar, 35 cts.

All prices are f. o. b. Los Angeles, except where postage price is given.

# TOOLS AND IMPLEMENTS

FOR THE FANCIER AND COMMERCIAL BREEDER



Mann's New Model Bone Cutter No. 7.

## MANN'S GREEN BONE CUTTERS

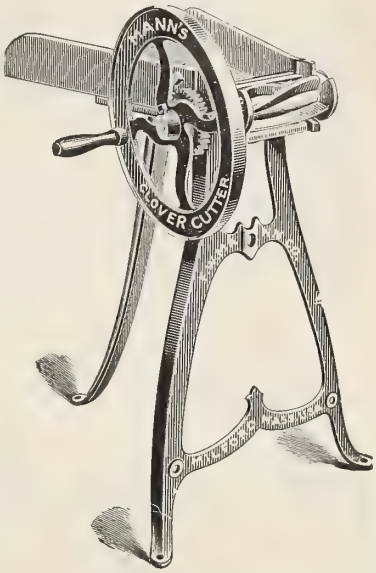
Will cut fresh bone with meat and gristle attached. Green bone when cut and fed to poultry will double the number of eggs; will make little chicks grow faster; will mature broilers earlier; will stop egg eating, and feather-pulling, and increase the fertility of the eggs.

## THE MANN BONE CUTTER

Is down to date in every detail, embracing a dozen radica improvements, which have increased its efficiency fully one hundred per cent. Among the most important improvements are its enlarged table, open hopper (an advantage in cleaning the knives and hopper after using), and new device to control feed, enabling the operator to set it to suit any strength desired by turning a small thumb screw. Will slice vegetables the same as bone.

Ask for Mann's special catalogue on Green Bone and Vegetable cutters and Clover cutters.

**Extra Knives for Mann's Bone Cutters, 35 cts. each set of 6 Knives, $2.**




Mann's Clover Cutter

### List of Mann's Green Bone and Vegetable Cutters

| | | |
|---|---|---|
| No. 5 | Balance wheel, closed hopper; 60 lbs | $ 9.50 |
| No. 7 | Balance wheel, open hopper; 107 lbs. (see illustration) | 15.00 |
| No. 7½ | Same as No. 7, with open power attachment; 150 lbs | 19.00 |
| No. 9 | Same as No. 7, with open power attachment, but larger; 170 lbs. | 21.50 |
| No. 11 | Same as No. 9, with power attachment; 215 lbs.. | 30.00 |

There are several larger sizes of bone cutters which we can secure on application.

## Mann's Clover Cutter

Made entirely of Iron and Steel, cannot warp or shrink. It cuts any kind of hay or clover, either dry or green, and more rapidly than any other. All dangerous parts are enclosed, so that children will run no risk in using it. Price, with stand, $12. Price without stand, $10.

## Mann's Cast-Iron Mortar

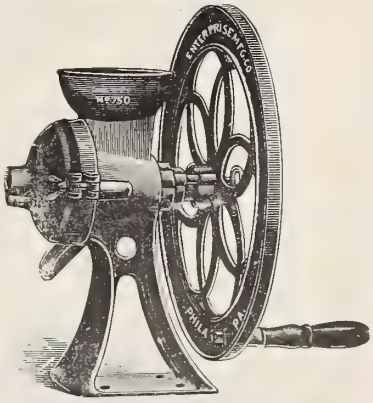
Designed expressly for breaking glass, crockery ware, oyster shells or other dry substances for poultry. Grit for poultry must be coarse to be of any value. Weight 33 lbs.; height 12 inches, 9 inches square; pestle, 4 feet long. Price, $4.

## ENTERPRISE BONE, SHELL AND CORN MILLS

**Capacity—60 lbs. of Corn per Hour.**

It is a well-known fact that ground bones and shells, cracked corn, etc., are excellent for poultry. This Mill is especially adapted for grinding bones **(when dry only)**, Oyster and other Shells, Corn, Roots, Bark, Grain, Salt, etc. When it is considered Ground Bones is one of the best fertilizers, the Mill soon pays for itself for that purpose alone.

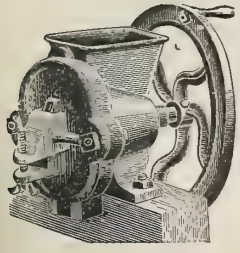
It is a general Mill for Farmers, Poultrymen, etc., and for compactness, strength and durability we regard it as unexcelled. Price, $9.




Enterprise Bone and Shell Mill

**This Mill is not intended for Grinding "Green Bones." "Green Bones" can only be shaved, not ground.**

## Wilson's Patent Grinding Mill



The No. 1 Hand Bone, Shell and Corn Mill for poultrymen. This mill will grind dry bones, shells, all kinds of grain, gravel, stones, old crockery, etc.

We also furnish a sieve attachment to this mill to take out the dust when crushing shells; and also in cracking corn to take out the fine meal. Price, 60 cts. extra. Weight without stand, 36 lbs. Price, $5.50. Weight with stand, 64 lbs. Price $7.

## THE MOTEZUMA GRINDING MILL

(Wet or Dry)

The Montezuma Mill is especially adapted for grinding wet grains, such as wet corn, soaked wheat and fresh meat, etc.; will also grind dry grains of anykind; is simple, cheap, strong and durable; only two parts to wash and clean. Price, $7.

**Mann's Catalogue on Green Bone Cutters Sent Free.**

## TOOLS AND IMPLEMENTS (Continued)

# BLACK HAWK GRIST MILL

Black Minorca Hen bred by C. C. Bonnell, 2917 Brighton Ave., Los Angeles, Cal. Eggs and Chicks for Sale

### A CONVENIENCE AND A MONEY SAVER

**The Black Hawk Grist Mill** grinds Corn into meal, wheat into graham flour, or will crack it for breakfast foods. Grinds rice into flour, cracks peas for soups; grinds beans, coffee, spices, salt, sugar, and makes buckwheat flour.

For people who keep poultry the Black Hawk Grinder has a double value. It has been proven by poultry experts that cracked grain is much more valuable than whole grain for feeding to fowls. Weight of mill, 17 lbs. Price complete, $3.50. Extra grinders, per pair, 40 cts.

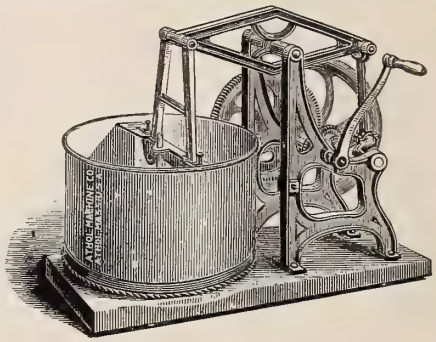
Black Hawk Grist Mill

### BLACK HAWK CORN SHELLER

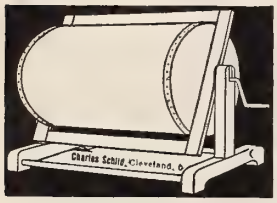
Very strong and durable, made of Malleable Iron and Chilled Iron. Just the thing. Price, $3. Special pamphlet giving full description FREE.

### PERFECTION ALFALFA CUTTER

This machine will cut hay, grass, clover, cabbage leaves, and in fact any kind of green feed for fowls. Size 16 inches long by 11 inches wide. Weight 7 lbs. Price, $3.50.

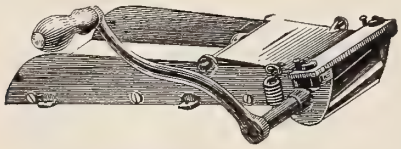



### SCHILD'S LIGHTNING LICE KILLING MACHINE




Schild's Lightning Lice Killing Machine

The original and only satisfactory machine of its kind. Put a handful of Schild's Insect Powder in the cylinder with 4 to 8 old fowls, or 30 to 40 chicks, and turn the crank half a dozen times. By doing this, the powder is thrown all through the feathers, and all the lice are killed. Does not hurt the fowls or break the feathers. Two sizes of machines are manufactured. No 1 is for pigeons, cage birds, chicks and single hens; price, $3. No. 2 for 4 large fowls or 50 to 60 chicks; price, $4. Schild's Lightning Lice Killing Powder ½ lb. can 40 cts.; 1 lb. can 75 cts.



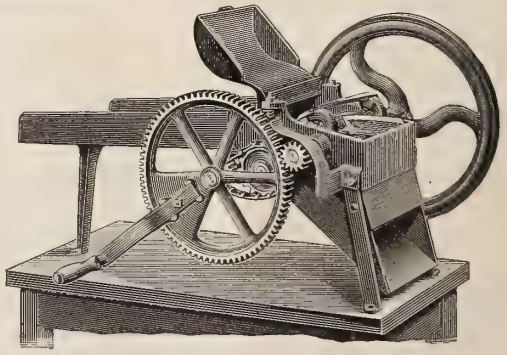
### AMERICAN MEAT AND VEGETABLE CHOPPER

This is the best thing ever offered of its kind; will chop anything, except bone or similar hard substances. These cutters do not grind, tear or mash the food, but cut it fine or coarse as desired. Prices as follows:

**No. 1.** 8-inch Cylinder. Weight 15 lbs. Price, $5.50.

**No. 2.** 10-inch Cylinder. Weight 21 lbs. Price $7.50. Cuts 2 lbs. per minute.

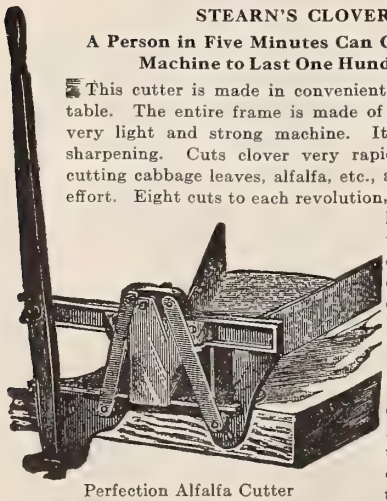
**No. 3.** 12-inch Cylinder. Weight 37 lbs. Price, $10.50. Cuts 3 lbs. per minute.



### STEARN'S CLOVER CUTTER

**A Person in Five Minutes Can Cut Enough with this Machine to Last One Hundred Fowls a Day**

This cutter is made in convenient size for use on bench or table. The entire frame is made of malleable iron, making a very light and strong machine. It is self-feeding and self-sharpening. Cuts clover very rapidly; is also suitable for cutting cabbage leaves, alfalfa, etc., and is run with very little effort. Eight cuts to each revolution, cutting into one-half inch lengths, and making a total cut of four inches to each revolution of the cylinder. Finished in black enamel. Weight 5 lbs. Price $3.75.



Perfection Alfalfa Cutter

### TENNESSEE GRINDING MILL

(For grain only). A cheap and handy grinding mill. It can be readily taken apart for cleaning or oiling, without the use of tools. Easily adjusted for fine or coarse grinding. If you live in the country you can always have fresh Graham flour meal, as well as Corn meal for the table. Weight 12 lbs. Price, $2.75.

### "NEW MODEL" CLOVER CUTTER

Will cut either green or dry clover, alfalfa, straw, vegetable tops, etc., in ⅛ inch length, suitable for chicks or grown fowls. The cutter bar is adjustable, and easily accessible for sharpening; the four 7-inch spiral, steel knives can readily be removed for sharpening. Has large capacity, strong feed and runs easily. Length of cutter 28½ inches. Weight 60 lbs. Price, $11.

## TOOLS AND IMPLEMENTS (Continued)

Cypher's Perfect Marker

Acme Lever Poultry Marker Makes Thirty Possible Toe Marks (See Diagram)

### THE "ACME" LEVER POULTRY MARKER

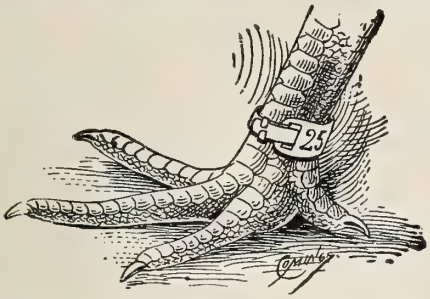
The spring lever arrangement enables one to use this punch with perfect ease, holding the chick in one hand and working punch with other. Is light and very durable. **Price 25 cts., postpaid.**

### CYPHER'S PERFECT MARKER

This punch is so simple in construction that it will appear to all as a practical tool. Cyphers perfect marker is made especially for the work of marking chicks. It makes a good, clear, clean cut, and does not mutilate the web, as do many cheaper punches. These punches are made expressly for us, and we guarantee them to meet all requirements. Price each, 50 cts.

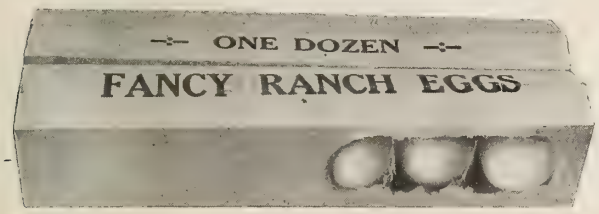
### ALUMINUM PIGEON BANDS, SEAMLESS

Made from aluminum tubing. Are put on safely when birds are young. Are very light. Price, 12 for 20 cts., 25 for 50 cts., 100 for $1.25.




### LEG BANDS

**The Improved Champion** Made of pliable aluminum, which can be adjusted to fit any size of leg. Three-inch size for all ordinary breeds; 4-inch size for extra large and turkeys. All neatly numbered. 12 for 15 cts., 25 for 30 cts., 50 for 50 cts., 100 for 80 cts., postpaid.




New Safety Egg Carrier

The **NEW SAFETY EGG CARRIER** is a heavy cardboard box, with partitions for 12 eggs; three of these boxes will fit side by side in an ordinary 30 dozen egg case in place of fillers, which is a very convenient way of handling eggs for a fancy trade. Prices, 15 cts. per dozen; $1 per 100, $9 per 1000.

**FELT FOR INCUBATORS AND BROODERS,** 72 in. wide, 75c per yard.

### JUBILEE INCUBATOR EGG TESTER

For testing eggs for hatching; fits any ordinary size house lamp or the lamp furnished with the Jubilee Incubator. Price, 25 cts. each.

Jubilee Egg Tester

Monarch strain Mammoth Pekin ducks. Weight over 9 Lbs. each. Eggs sold for hatching. Mrs. E. E. Young, breeder and importer, 444 E. 48th St., Los Angeles, Cal.

Olla Drinking Fountain

### OLLA DRINKING FOUNTAIN "RED"—for Poultry

These fountains are made of a heavy natural red clay, baked sufficiently to make them porous. This process gives them the effect of the old Spanish Olla, so excellent for keeping drinking water cool and in a sanitary condition. See illustration. Prices, 1 qt. 25 cts., 2 qts. 35 cts., 1 gal. 45 cts. Special price by the dozen.

### ROUND ALUMINUM LEG BANDS

Made of wire aluminum, flattened where the number is placed. Cut shows one-half size.

Samples free for the asking. Made in 3 sizes: No. 1 large, No 2 medium; No. 3 small. Price, 12 for 20 cts., 25 for 40 cts., 50 for 75 cts., 100 for $1.25, postpaid.

### OPEN PIGEON BANDS

Made from flat aluminum. Price, 12 for 15 cts., 25 for 30 cts., 50 for 50 cts., 100 for 80 cts.

**PHILADELPHIA GAPE WORM EXTRACTOR**—Postpaid, 25 cts

### FRENCH POULTRY KILLING KNIFE

Every poultry raiser should have one of these killing knives. To possess one will be one of the best investments you ever made. Price, 50 cts. each, postpaid.

### ROUP SYRINGE

This is one of the best implements for applying roup remedies, enabling the operator to inject the fluid just where it is wanted. The first figure shows its use internally, and the second shows its use for external application. Price, postpaid, 10 cts.

Mammoth Bronze Turkey bred by Chas. G. Weaver, Garvanza, Cal. Eggs & Stock for Sale

# TOOLS AND IMPLEMENTS (Continued)

### OPAL NEST EGGS

Very useful and necessary; saves leaving fresh eggs in the nest. Price per dozen, 30 cts. One dozen by mail, postpaid, 50 cts.

Quotations submitted on request by the gross, packed in neat box, or by the barrel.

### MEDICATED NEST EGG

These nest eggs are not only a lice and mite destroyer, but a germicide as well, and kill the germs that so often cause disease. Price, 5 cts. each, 50 cts. per dozen.

### GOLDEN GATE EGG SHIPPING BOXES

Made for shipping eggs for hatching, and are very substantial. Prices 15-egg size, 15 cts. each, $1.50 per, dozen; 30-egg size, 30 cts. each; 50-egg size, 45 cts. each; 100-egg size, 90 cts. each.

### THE IDEAL EGG CARTON

Made of heavy tag; holds one dozen eggs; very rigid and compact. Price, per dozen, 20 cts., per 100, $1.25.

### JUBILEE HIGH GRADE TESTED THERMOMETERS

The best incubator or brooder manufactured is worthless unless the thermometer used therein is accurate. We offer no thermometers that have not aged at least two years. Price postpaid, 75 cts.

### BROODER THERMOMETERS

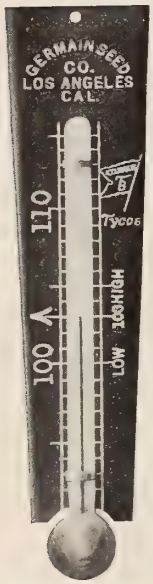
None but well seasoned tubes are used in our Brooder Thermometers. Price, postpaid, metal back, 35 cts., wood back, 25 cts.

### TRIANGULAR METAL BACK THERMOMETERS, WITH CERTIFICATE

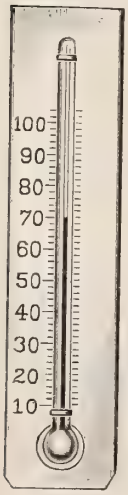
Absolutely correct temperature in incubation means profit and satisfaction. The degrees are etched on the tubes, as well as engraved on the metal. Price, $1.50.

### CYPHER'S HALF ROUND BROODER THERMOMETER

Is mounted on a long wooden stem to drop in the brooder from a round hole cut in the top with a portion of the Thermometer above the brooder, so the temperature can be seen from the outside. Price, postpaid, 50 cts.




Jubilee Incubator Thermometers




Brooder Thermometer

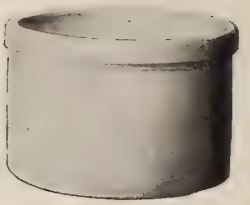
### PATENT FARMER'S CAPONIZING SET

Poultrymen can double their profits by caponizing their cockerels. The operation is simple and easy. Price by mail, postpaid, $3.

Chinese Caponizing Set, with directions, postpaid, $2.50.

Plain Caponizing Set, in cardboard box, with directions, postpaid, $1.75.

### OPEN CROCKS FOR RABBITS



These open crocks or low butter jars are a heavy stoneware, glazed on both sides. Excellent for watering Rabbits or Poultry. Price, 1 qt. 10 cts., 2 qts. 15 cts., 1 gal. 25 cts.

### HALLOCK FOOD AND WATER HOLDERS

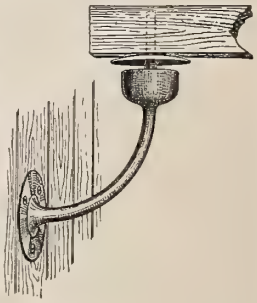
These holders are made in 1-gallon and 2-gallon sizes, and are recommended for bothfood and water dishes. The tops and bottom are separable by placing the palm of the hand on top of the upright post, then pressing downward, causing the wires to spread and thus easily releasing the pan. The wires prevent the ducks or fowls from getting into the food or water and soiling it. A saving of 15 to 25 per cent. may be counted on in the soft food with these holders. Price, 1-gallon size, $1, 2-gallon size, $1.25, 3-gallon $1.50.

Hallock's Food Holders

### THE PHILADELPHIA POULTRY MARKER

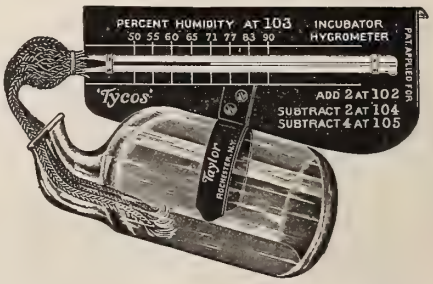
Over 200 different marks can be made by punching the web between the toes. It is well made, with steel spring and cutter, nicely nickel-plated. Made in two sizes. Price, 25 cts. each, postpaid.

### CYPHER'S LICE-PROOF PERCH SUPPORT



This device has been placed upon the market to satisfy the demand for a perch support sufficiently strong to bear the weight to which it is subjected. These supports are manufactured of cast iron and should last a life-time. They are cheap, easily put up, and if once used will always be used. Attach to the wall with screws. The oil cup is covered with a cap to prevent accumulation of dust. Fill the cup with Conkey's Lice Liquid. It is then impossible for lice to pass from the walls of building to the roosts, or from the roosts to the building.

**Prices: Per pair, 40 cts.; per dozen, single hangers (six pairs) $1.80.**




### "TYCOS" HYGROMETER

The handling of moisture in incubators has been entirely guesswork, there being no absolute method of ascertaining the amount in the egg chamber. Therefore, moisture was supplied when it should not have been, and not supplied when it should. With the use of the "Tycos" Hygrometer the correct amount of moisture can be attained in the incubator. Every incubator operator should use one no matter what make of machine he is using. Price, $1.50, postpaid. Wicks for "Tycos" Hygrometer, 10 cts. each.

# FEEDING APPLIANCES AND WIRE NETTING

### SANITARY FOUNTAINS

(Stone). These fountains, when in use, are filled to the top. They have a glazed surface. 1 qt. 25 cts., 2 qts. 35 cts., 1 gal. 45 cts., 2 gal 60 cts.

### SANITARY GRIT AND SHELL BOX

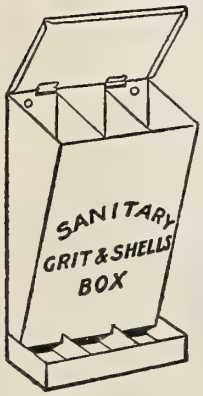
Manufactured from the best galvanized iron. Contains three compartments, each holding two quarts. Can be hung up against the wall at any height desired. Will last a lifetime. Price, 75 cts. each, $7.50 per dozen.

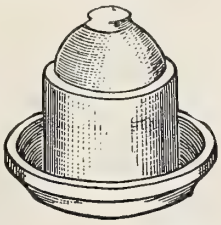
### AUTOMATIC FEED BOX

Made of heavy galvanized iron. Two compartments—one for grain and one for beef scraps. Its capacity is twice that of the "Grit-box." Price, $1 each, $10 per dozen.

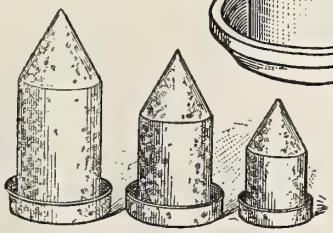
### PERFECT DRINKING FOUNTAINS

Made of heavy galvanized iron. Easily cleaned. Fowls cannot get on top of, nor into them, nor turn them over. Prices, 1 qt. 25 cts., 2 qts. 35 cts., No. 3, 1½ gals. 60 cts. Special discount on large quantities.



Sanitary Fountain



Perfect Drinking Fountain

### CHICK FEEDER

This trough is made of heavy galvanized iron; easily cleaned; edges all rounded. Size 12 inches long by 3 inches wide, and 2½ inches high. Weight ½ lb. Price, 25 cts. 12-inch double chick feeder, each 50 cts.

These **PERFECT DRY FEED TROUGHS** are specially designed for feeding dry food, such as Coulson's Egg Food, Bran or any dry mixture. It is made of the best heavy galvanized iron, is 18 inches long, 7 inches wide, with the side flanges rolled under on each side; the ends of the flanges are unsoldered, which makes it adjustable, so that they may be raised or lowered at the will of the operator, thereby saving the food. Suitable also for water and Mash Food for Ducks. Price each, 75 cts. Special price per dozen

### GERMAIN'S DRY FEED HOPPERS

These hoppers are constructed especially for feeding Dry Feed, such as Coulson's Egg Food. Made of heavy galvanized iron, strong and durable. Height 16 inches, width 12 inches. Being wider at top than at bottom it allows the feed to drop down as it is consumed by the fowls. Price single, $1, double $1.50. Special price on large quantities.

### UNION LOCK POULTRY FENCE

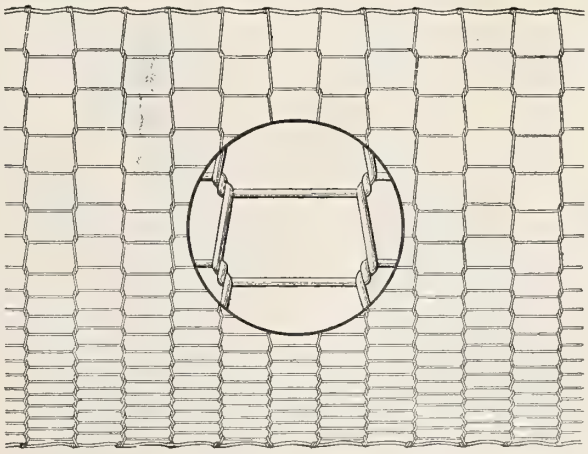
A neat, substantial fence for poultry yards. Has no equal where the ground is uneven. Union Lock is put up in 10-rod rolls, 3, 4, 5 and 6-foot widths. Prices, 3 ft. $3.75, 4 ft. $4.50, 5 ft. $5.50, 6ft. $6.

**Buff Cochin Bantam bred by M. E. Dillingham, San Gabriel, Cal., vice - president Southwestern Pigeon and Bantam Club**

### WIRE FENCING FOR POULTRY YARDS

**Silver Finish Netting,** put up in rolls 150 ft. long and varies in width from 1 to 6 ft. Price per roll f. o. b. Los Angeles:

| | | | | | |
|---|---|---|---|---|---|
| 1½ | ft. high, 2 in. mesh | $0.75 | 6 | ft. high, 2 in. mesh | $4.50 |
| 1½ | ft. high, 2 in. mesh | 1.15 | 1 | ft. high, 1 in. mesh | 1.90 |
| 2 | ft. high, 2 in. mesh | 1.50 | 1½ | ft. high, 1 in. mesh | 2.85 |
| 3 | ft. high, 2 in. mesh | 2.25 | 2 | ft. high, 1 in. mesh | 3.75 |
| 4 | ft. high, 2 in. mesh | 3.00 | 3 | ft. high, 1 in. mesh | 5.75 |
| 5 | ft. high, 2 in. mesh | 3.75 | | | |



### THE WARNER JR. POULTRY FENCE

The Warner Poultry Fence is the strongest, handsomest, most durable and most sensible Poultry Fence now on the market. Made of No. 18 wire. Notice the very close spacing between line wires, which is shown by referring to illustration. This fencing will turn the smallest chicken or anything else which happens to come in contact with it. It will stand erect with few posts, by reason of the sensible construction of the famous tie or lock. The tie or lock has no sharp bends to break the galvanizing, nor any cut or exposed ends to rust out; the tie also prevents any possibility of the stay wire slipping on the line wire. Rolls 165 feet or 10 rods long.

| | |
|---|---|
| 3 ft. high Graduating Mesh | $3.50 per Roll |
| 4 ft. high Graduating Mesh | 4.25 per Roll |
| 5 ft. high Graduating Mesh | 5.00 per Roll |
| 6 ft. high Graduating Mesh | 5.50 per Roll |

All wire netting prices subject to change.

# SPRAY PUMPS, NOZZLES AND APPLIANCES

**The Prize Spray Pump** is all that the name implies. Every part of the "Prize" pump is brass, with the exception of the handle and foot rest which are of malleable iron. It is regularly provided with the "Bordeaux" nozzle. The foot rest measures 12 inches in height. The many testimonials received from purchasers of this pump are evidence of our success. Will spray whitewash or any other mixture. No leather valves. Throws a continuous stream. Packed in neat strawboard boxes. Price, $5.

**The Captain Barrel Sprayer.** The "Captain" is in the front rank of all sprayers of its class. It is a medium-price outfit for the every-day farmer, fruit grower, and gardener.

The pump is made in one size with 1¾-inch Brass Tube Cylinder has Brass Ball Valves and Valve Seats, and Brass Plunger with improved packing. The Air Chamber is ample in capacity, and is made of 2¼-inch boiler tubing. The discharge connection is fitted for ½-inch hose. Price, $11, with Bordeaux Nozzle.

**The Samson Double-Acting Sprayer,** 125 to 150 lbs. pressure for barrel or tank. The "Samson," Fig. 633, is a powerful pump. We recommend this outfit where a large number of trees are to be sprayed, and where a heavy pressure is desired.

The pump has an extremely large air chamber (18 gallons capacity), allowing the operator to pump and rest alternately. The cylinder is brass-lined, and all other working parts, including the ball valves and seats are brass. All parts are accessible, and the air chamber can be readily taken apart. There are no stuffing boxes in this pump. Complete, with twenty-five feet of ½-inch hose, with couplings, pole holder, double spraying attachment and Demorel nozzles. Price, $45.

**The Perfect Success Spray Pump.** In general construction the "Perfect Success," is the same as the Prize spray pump, but it has a special adjustable foot rest which clamps bucket and pump firmly together, so that the entire outfit may be carried in one hand. Four feet of ⅜-inch hose and our "Bordeaux" nozzle are furnished.

**Ask for Deming's special spray pump catalogue.**

**Myers Bucket Brass Spray Pump.** Constructed of brass—a metal that is not affected by arsenite used in different formulas for spraying Has brass ball valves, easy to operate, and gives extraordinary power. It will throw a solid stream 25 feet. No. 324, as shown in cut, is supplied with Myers Sprinkler Nozzle and a "Bordeaux" Nozzle for whitewashing, also foot rest and lever handle. Price, $4.25. No. 325 is supplied with same nozzle as No. 324. Price $3.50. No. 327½ is supplied with an Imperial Nozzle and Myers Sprinkler Nozzle. Price, $3. Eight foot extension rods for Myers pumps, 50 cts. each. "Bordeaux" Nozzles for whitewashing. Price, $1.

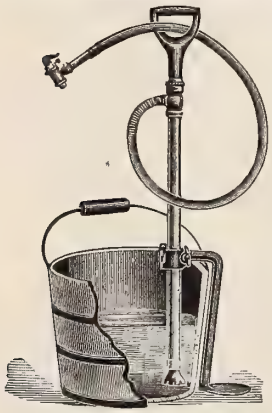
## The Myers Double Acting Barrel Spray Pump

**Myers Barrel Spray Pumps have Brass Cylinders, Brass Valves and Brass Valve Seats.**

**The Myers Barrel Spray Pump** is very powerful and easy to operate; will throw an even, mist-like spray over any fruit tree, and will throw a solid stream 40 feet from the point of the nozzle. With the proper hose and pipe extension these pumps are adapted for use in vineyards, gardens or orchards, for the extermination of any kind of insects that are injurious either to the fruit trees, vines or foliage. Price, $10, with 8 feet of hose and Bordeaux nozzle.

### BANNER COMPRESSED AIR SPRAYER

In operating the Banner Sprayer all that is necessary is to unscrew the pump, fill the reservoir with liquids, screw the pump in with the hand, and pump in a few strokes of air. This is sufficient to spray out the entire contents. The machine being oblong, gives it a churning motion when carried over the shoulder, thereby keeping the ingredients well mixed. This sprayer is adapted for all kinds of spraying purposes, such as spraying potato vines, garden vegetables of every description, currant bushes, shrubbery, trees, disinfectants, fly oil; in fact, it will spray anything in a liquid form, and for general all round use cannot be excelled. Price, $5, with 3-foot brass extension rod.



Deming Prize Spray Pump

Deming Captain Barrel Spray Pump

No. 324 Myers Bucket Pump

Banner Compressed Air Sprayer

SINGLE CONE BELLOWS

**Improved Single Cone Powder Bellows** is recommended for spraying powder on insects, rust, smut, mildew, blight, rot in greenhouses, gardens, orchards or fields; for sulphuring plants and rose bushes it has no equal. Made in four sizes. Price, 80 cts., $1.25, $1.75 and $2.25.

**The "Brandt Easy" Sprayer** is made with galvanized iron tank, and is designed for those who want a small sprayer. It works on the same principle as our regular sprayers and is equipped with shut-off nozzle and funnel. Capacity, 1 gallon. Weight, 3 lbs. Price, $2.75.

LIGHTNING INSECT SPRAYER

**The Lightning Insect Sprayer** is adapted for all kinds of spraying purposes and is used largely by gardeners and florists, as well as for spraying disinfectants of every description; also Conkey's Lice Liquid. The air chamber is 18 inches in length and 1½ inches in diameter. The reservoir holds about one quart. Price, 50 cts. Special price by the dozen.

**Powder Guns.** For applying insect powder, etc. **Star,** 10 cts.; **Jumbo,** large size, 25 cts.; **Florodora,** 35 cts.

**Ask for Myers Special Spray Pump Catalog.**

# INSECTICIDES AND GERMICIDES

**Aphine.** Effective indoors and outdoors. Aphine is an insecticide that can be safely applied to vegetables of all kinds. It has been proven effective against the cabbage worm, the melon louse, and many other insects and blights injurious to truck products.

It is used at various strengths, as follows:

For Green, Black and White Fly 1 part Aphine to 40 parts water.

For Thrips, Red Spider, Slugs and Ants 1 part Aphine to 25 parts water.

For Mealy Bug, White and Brown Scale 1 part Aphine to 12 to 15 parts water.

Aphine is sold in four sizes: Gals. $2.50, Qts. $1.00, Pts. 65c., Half Pts. 40c.

**Arsenate of Lead.** The most effective of all insecticides for spraying purposes. Especially adapted for use on tender plants and foliage. This can be successfully used to suppress leaf-eating insects. **Arsenate of Lead** is more sticky in character than any other insecticide, and for this reason is sometimes used where it is desirable that the poison should remain longer on the foliage. Then again, it is particularly good for extremely delicate foliage as it positively will not burn. Use in proportions of 2 to 3 pounds Arsenate of Lead to 50 gallons of water, or two to four pounds of Lead to 100 gallons water if a weaker solution is desired. You can judge best of the strength to be used by your local conditions and uses. Price, 1 lb. can, 50 cts.; 5 lb. can, $1.25; 10 lbs., $0.00.

**Bordeaux Mixture** (Lion Brand). The most popular fungicide on the market, curing and preventing blight, black rot rust, scab and all diseases of vegetables and fruit. One gallon diluted in 49 parts water makes a most effective spray. Quart cans, 50 cts.; 1 gal., $1.00.

**Buhach (or Persian Insect Powder).** One of the most effective powders for killing all kinds of insects; non-poisonous to everything except bugs; owing to its fineness it penetrates the breathing pores and causes instant suffocation. 10 cts. 1 oz.; 25 cts. ¼ lb.; 80 cts. lb.

**California Wash.** A specific remedy for San Jose scale, oyster shell scale, etc.; full directions accompany each can. Pt., 25 cts.; per qt. 50 cts.

**Gophergo.** Operates on an entirely new plan, ordinarily poison has heretofore been ineffective because gophers and squirrels will not eat it. Gophergo attracts them on the same principle that catnip attracts the cat. They never fail to scent it, if placed within reach; the smallest quantity is sure death. Price 7 oz. can 25 cts., 16 oz. can 50 cts.

**Formaldehyde** is a comparatively non-poisonous microbicide and antiseptic, of a gaseous nature absorbed by water, and may be readily diluted in any proportion. It is of pronounced efficiency in destroying disease germs affecting both animal and plant life, and is successfully employed as a preventive of such fungoid diseases as potato scab, onion and grain smuts, musty corn and other affected seeds, damping off of seedlings, club root of roses, etc., for the restraining of decay in vegetables, fruits, etc., and as an antiseptic wash and spray for bark diseases, canker and wounds in trees, and as a disinfectant for stables, kennels, poultry houses, etc. The dilution for most purposes is 1 lb. (1 pint) Formaldehyde to 15 or 20 gallons of water and 1 to 2 gallons of this dilution is required for treatment of every bushel of seed. Price of Formaldehyde (40 volume per cent), 1 lb. bottle, 40 cts.; 5 lb. bottle, 35 cts. lb.; 10 lb. bottle, 30 cts. lb.

**Hammond's Slug Shot.** Sure death to potato bugs, cabbage worms, rose bug, curculio and all lice, worms and caterpillars. Lb. 10 cts.; 100 lbs., price on application.

**Kerosene Emulsion** (Lion Brand). Very effective for destroying all plant lice, scales and suctorial insects that affect the foliage. Full directions with each can. Per qt., 50 cts.

**Paris Green.** ½ lb. box 20 cts., 1 lb. box 35 cts. Prices on larger quantities on application.

**Nico-Fume Liquid.** For spraying or fumigating. Effective against Green Fly, Mealy Bug, etc. Does not stain or injure blooms, and leaves no disagreeable odor. For spraying, 1 to 2 teaspoonfuls to a gallon of water. Four ounces (¼ pt.) vaporized in house 100x20 will produce a strong fumigation. ¼ pt. 50 cts.

**Nicoticide.** A fumigating compound for mealy bug, green fly, etc. Can $1.25, large size $2.50.

**Nicotine, Thompson's Rose.** Specially prepared for killing insects on plants, roaches, bedbugs, etc. Put up in small cans. 25 cts. each.

**Kill-Sure Soap.** Makes a good wash for killing scale and other insects on trees. Dissolve 1 lb. in 6 gallons of water. In bars, each 2 lbs., 25 cts.

**Sulpho Tobacco Soap.** Exterminates insects. Used as a spray,small bar to one gallon of water. Small bar 10 cts., large size 20 cts., 10 lbs. $3.00.

**Whale Oil Soap.** Makes an excellent wash for trees and plats. kills insects and their eggs on the bark. ½ lb. 15 cts., ¼ lb. 10 cts., 1 lb; 25 cts. For price on large quantity please write.

**Sulphur** (Finest resublimed). Use no other if you wish results; prevents and cures mildew on peas, roses, grapes, etc. Per lb. 5 cts.; 100 lbs. $2.50.

**Tree Tanglefoot.** For protecting trees against climbing insect pests in a simple, economical and effective way, use Tree Tanglefoot—a sticky substance applied directly to the bark of trees. One application remains sticky on the trees three months fully exposed to the weather. Easily applied with a small wooden paddle. 1 lb. will spread 8 ft. long by 5 in. wide, 1-16 in. thick. Will stay on tree 3 months. 1 lb. Can, 50 cts.

**Tobacco Stems.** For fumigating greenhouses, etc., for the destruction of insect pests. Per sack, 75 cts.

**Tobacco Dust.** For green and black fly, etc., apply when foliage is moist; a fertilizer and a preventive against insects in the ground. Lb., 15 cts.

**F. and G. Spray.** This product has been used with entire satisfaction by Mr. A. R. Meserve (Commissioner of Horticulture of Los Angeles County) against mealy bug Red scale, etc. We recommend it against all fungus growth, San Jose Black and Red Scale on Citrus and deciduous trees, ornamental plants and shrubbery.

# FERTILIZER AND LAWN DRESSINGS

**Armour's Lawn and Garden Fertilizer.** A "green velvet" lawn cannot be maintained without plant food. Grass and plants need food as well as water and sunshine. Armour's Lawn and Garden Fertilizer is especially designed for general use around the home garden. No better all-round fertilizer could be prepared either in analysis or component materials. One hundred pounds contains as much plant food as a ton of barnyard manure. Distribute this quantity evenly over 2500 square feet of lawn and sprinkle gently but thoroughly—sufficient to wash it down to the ground but not enough to float it into the low places in the lawn. That's all there is to it—no more smell, no unsightly disfigurement of the lawn, no attendant train of objectionable weeds and grasses. 5 cts. per lb., 25 lbs., $1.00; 100 lbs., $3.00.

**Armour's Plant and Fern Food.** The best fertilizer for house plants. An odorless, soluble fertilizer. Put up in 2½ lb. cans. Per can 25 cts.

**Pure Raw Bone Meal.** Finely ground and of first quality; decomposes rapidly in the soil.

Analysis.

| | |
|---|---|
| Ammonia | 4 to 5 per cent |
| Phosphoric Acid | 24 per cent |
| Bone Phosphate | 40 to 45 per cent |

5 lb. bag, 25 cts.; 50 lb., $1.35; 100 lb., $2.50; 500 lb., $11.25.

**Pure Dried Blood.** Confidently recommended where a high nitrogenous fertilizer is required. 100 lb. $3.50.

**Commercial Lawn Fertilizer.** Our own brand, acts quickly and gives excellent results, per lb. 5 cts., 25 lbs. $1.00, 50 lbs. $1.50, 100 lbs. $2.50.

**Gypsum or Land Plaster.** This is an excellent addition to land for such crops as require lime and sulphate, particulary Turnips, Potatoes, Grasses, Alfalfa, etc. Price, $1.00 per 100 lbs.; 500 lbs., $4.00.

**Leaf Mold.** Fine for mixing in soil for potting house plants, ferns, etc. Per sack, 75 cts.

**Muriate of Potash.** A form of potash salts to be used with bone meal and pure dried blood or natural fertilizers on fruits, celery, asparagus, corn, oats, turnips, cucumbers, grapes, carrots, onions, peas, clover and beans. It should not be used on potatoes, flax, sugar beets, cabbage, or cauliflower. 100 lbs. $3.50.

**Nitrate of Soda.** A fertilizer very quick in action and used for the nitrogen it contains. It creates rapid growth, is odorless, very quickly and entirely soluble. It should be applied only when the plants are above ground, usually in combination with other chemical fertilizers. We will without charge, if requested so to do, send information regarding the use of Nitrate of Soda on any farm or garden crop in which you are interested. 100 lb. bag, $4.00.

**Sheep Manure.** This is the best and strongest in fertilizing and enriching elements, as it contains Nitrogen, Phosphoric Acid, Ammonia and Potash in liberal proportions. Produces immediate and lasting effect. Promotes steady and rapid growth. It is very convenient to handle and easy to use. It is in concentrated form, in fact the most efficient and practical fertilizer of today. Sheep Manure is carefully selected, dried, pulverized and screened.

For Lawns. Pulverized Sheep Manure is the best possible fertilizer for the lawn. It should be applied by sprinkling lightly over the grass, much as one would sow grass seed. It requires no raking in. The color is not conspicuous and there is no objectionable odor.

For the Garden. After the crop has been harvested in the fall, the garden should be given a good coating of Sheep Manure. In the spring put on another light coat and turn it under, or sow lightly in the rows. By the use of this fertilizer large crops will result, they will mature early and they will be of superior quality. This product is the best fertilizer for the home garden yet offered.

For Liquid Manure. Use one pound of Sheep Manure to five gallons of water. This makes a safe mixture and may be used liberally when plants need watering.

For Public Parks. Sheep Manure is used on some of the best public parks in this country, including the beautiful park system of Minneapolis. It is more efficient, easier to apply and has less odor than other manures, and does not have to be raked up.

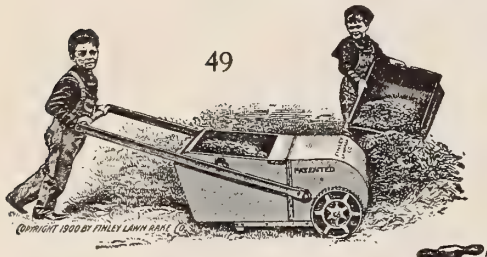
For Corn and Potatoes. Can either be used broadcast or by applying directly to each hill (apply two handsful to a hill.)

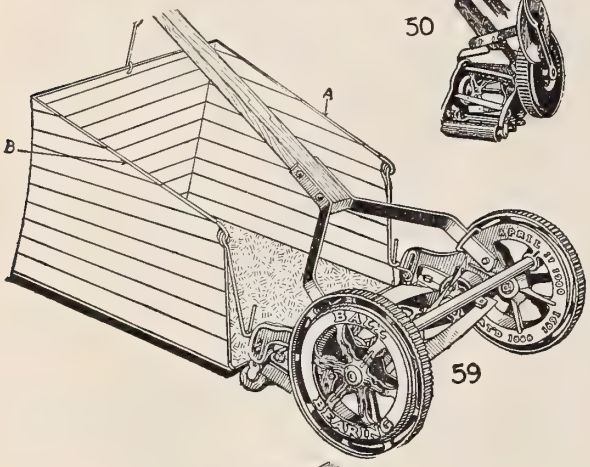
For Truck Garden. Sheep Manure is the best fertilizer for the truck garden, producing better and earlier crops of onions, celery and other vegetables. 30 lbs. $1.00, 50 lbs. $1.30, 100 lbs. $2.25, 500 lbs. $10.

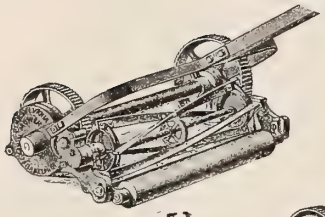
**Sterling Plant Food Tablets** contain nitrogen, ammonia, phosphoric acid and potash. This is a new scientific odorless concentrated fertilizer for potted plants. Takes the place of liquid manure. It starts the plants at once into a healthy and vigorous growth and makes them grow and bloom luxuriantly. They also kill worms and insects in the soil. Trial box 10 cts., mailed free. Large box 25 cts., mailed free.

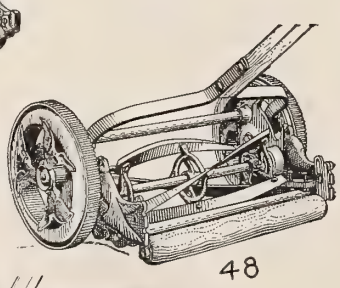
**Sulphate of Potash.** This fertilizer is used on all crops, but especially on tobacco, potatoes, flax, sugar beet, cabbage and cauliflower. It is the best for greenhouse use; may be applied either dry or in solution, tablespoonful in twelve quarts of water is the usual amount. 100 lbs., $3.75.

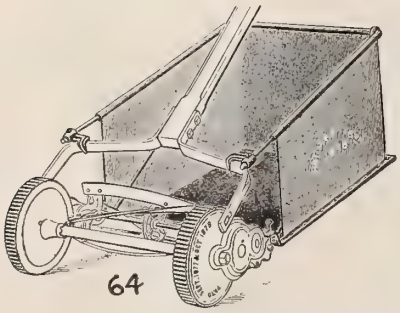
# LAWN MOWERS AND GARDEN REQUISITES






### LAWN MOWERS

**Our Special.** This machine is made expressly for us; four blades of highest grade crucible steel; noiseless for operation; 12 in., $5; 14 in. $5.50.

**Wizard Ball Bearing.** Drive Wheel, 9 inches. Patent Cone adjustment. Cones cannot work loose. Cones hardened and ground. Four tempered tool steel knives on reel. 14-in., $7; 16-in., $8.

(**50**) **Capitol Lawn Trimmer and Edger.** Does what Lawn Mowers leave undone. Having one side without wheel, it can be run close to walls and trees, cutting grass clean and quick. Can also be used for trimming edges of walks, etc; 4 steel blades, 6 in. wide. Price each, $6 complete.

(**51**) **Pennsylvania Low Wheel.** Generally called the low-wheel Pennsylvania. 12-in. $8; 14-in. $8.75; 16-in. $9.75.

**Pennsylvania High Wheel.** Ten-inch wheels, 4-blade cylinder, especially adapted for lawns that cannot be mowed very often or where the grass is coarse. 15-in. $13; 17-in. $14.50; 19-in. $16.

**Pennsylvania Junior Ball-Bearing.** The Pennsylvania Junior is the best known Mower for all classes of work. 15-in. $13.75; 17-in. $15.50; 91-in. $17; 21-in. $18.75.

(**48**) **The Clover Leaf.** There is a great demand for a good, low-priced lawn mower. This machine is specially designed for this popular trade. 12-in. $3; 14-in. $3.50; 16-in. $4.

**Wizard Plain Bearing.** Drive wheel, 9 inches. Four tempered tool steel knives on reel. Under knife nicely tempered. 14-in. $6.50; 16-in. $7.50.

**Sunset Lawn Mower.** Drive Wheels 9 in. Built with adjustable brass bushing for taking up wear. 12-in. $3.50; 14-in. $4; 16-in. $4.50.

**Clean Cutter.** A first-class four-blade, 14-in., ball-bearing lawn mower, made of solid cone steel, thoroughly hardened and ground. 14-in. $5.

(**59**) **Mayflower.** Wheel, 10-inches. Reel, 6-inch, 5-blade. Ball-Bearing. Cones are of special steel, machine turned, case hardened and ground. 14-in. $7.50; 16-in. $8.

**Crestlawn.** Every bearing Ball-Bearing. Wheel, 11 inches; Ball-Bearing; Cone adjustment reel, 6-inch, 5-blade; Ball-Bearing. The type of construction used in this mower produces the most rigid frame possible to build. 14-in. $11; 16-in. $12.

### GRASS CATCHERS

**Hunn's Automatic Grass Catcher.** 12- to 14-in., 60 cts.; 16- to 18-in., 75 cts.

**Grass Catcher, Henley Simplex.** This grass catcher is light and substantial. Steel bottom, No. 1, $1; No. 2, $1.50.

**Grass Catcher, Easy Emptying.** One of the best catchers. No. 1, 16-in. to 20-in., $1.35; No. 2, 12-in. to 16-in., $1.25.

**"The It" Grass Catcher.** All canvas, instantly to fit any Mower. Size No. 1, 60 cts.; No. 2, 75 cts.

(**64**) **Braun Grass Catcher.** Canvas sides, galvanized bottom that will not sag. Fit all Pennsylvania Lawn Mowers. Each $2 and $2.25.

### (49) THE FINLEY ROTARY LAWN RAKE

**We are sole agents for California, Arizona and New and Old Mexico.**

Every one who has ever raked a lawn knows what a slow, hard, tedious job it is, and how unsatisfactory it is when done; for the rake will always miss some grass, leaves or other rubbish. The machine is constructed throughout of the best material and is so easy to push that a child can operate it. Simple and strong in construction, durable, with no intricate parts, it is the very acme of perfection as a rake, and will, when once generally introduced, be as indispensable as the lawn mower has become. In two sizes, 14-inch, $12.50; 20-inch, $15; delivered free anywhere in California.

### PLANT STAKES

**Round, Painted Green and Smoothly Turned**

| | Per Doz. | 100 |
|---|---|---|
| 2 feet, light | $0.35 | $2.25 |
| 3 feet, light | .50 | 3.75 |
| 4 feet, light | .75 | 5.50 |
| 3 feet, heavy | .85 | 6.50 |
| 4 feet, heavy | 1.25 | 8.00 |
| 5 feet, heavy | 1.50 | 12.00 |
| 6 feet, heavy | 2.00 | 15.00 |

Pot and Tree Labels all sizes.

**Ornamental Vases.** For lawns and walks nothing can equal them for beauty and effect. Made of malleable iron and moulded in beautiful designs; makes an elegant display and lends an added charm to a place which would look otherwise incomplete. Write for prices and catalogue.

**Pencils, Wolf's Indelible.** Solid ink; will dispense with painting labels. 15 cts.

**Raffa.** Best tying material for plants. Lb. 20 cts. Special prices on large quantities.

**Sacking Twine.** In bundles of 12 lbs. Lb. 30 cts., 40 cts., and 50 cts., according to grade.

**Silkaline, Green.** The very best article for stringing smilax, etc., being green, cannot be noticed among the foliage. Very strong. Per spool 20 cts., box of 8 spools $1.50.

**Tubs, Japanese.** These tubs are varnished, large hoops, and imported direct from Japan. Small size 13 in. high, 14 in. diameter at top, 75 cts. each; medium size very scarce and hard to procure. 17 in. high, 18 in. diameter at top, $2.50 each. Large size 21 in. high, 22 in. diameter at top, $1.75 each. Special prices on large quantities.

# GARDEN AND FARM REQUISITES

### GARDEN HOSE AND OTHER ATTACHMENTS

All our garden hose is guaranteed. We sell no cheap hose, as cheap hose is dear at any price. We want to warn everyone not to leave their hose out in the sun when not in use, as the water left in it gets very warm and will rot out the best of hose.

We recommend **Germain's Guaranteed ¾ in. Hose.** The best hose in the market for the money. Each piece of hose has our guarantee stamped on it. 10 cts. per ft.

**Germain's Guaranteed ½ in.** With couplings. 8 cts. per ft.

**Continental.** This hose we can recommend and guarantee. ¾ in. with couplings, 14 cts. per ft.

**Dandy Guaranteed ¾ in. Hose.** The very best red hose on the market. 7 ply, 15 cts. per ft. ½ in. **Dandy Hose** red, 12 cts. per ft.

**Extra Para ¾ in.** This first-class hose is guaranteed for two years. 16 cts. per ft.

**Hippo ¾ in. Hose.** This first-class hose we guarantee for 2 years. We have sold in the last 2 years, 10,000 feet and have not had a foot of it returned on account of kinking or breaking. We sell any length of this hose that you should desire. ¾ in. 20 cts. per ft. ½ in. 16 cts. per ft.

**Welch's Washer Retainer.** The retainer keeps the washer in the hose from year to year; you don't have to stop to hunt a washer.

(**68**) **Hose Couplings, Brass.** ½ in. or ¾ in., 15 cts. per pair.

**Magic Bands.** For fastening on couplings, 5 cts. for 2, 25 cts. per dozen.

**Rubber Washers.** 10 cts. per doz.

(**69**) **Hose Menders. Wood.** ½ in. or ¾ in., 10 cts. per doz.

(**66**) **Hose Menders; The Cooper,** brass, undoubtedly the best hose mender on the market; holds itself by small, sharp teeth; for ¾ in. hose 10 cts. each, 25 cts. for 3.

**Hose Menders; The Dean,** iron fastened by outside metal bands. For ½ in. and ¾ in. hose, 10 cts. each, 25 cts. for 3.

### LAWN SPRINKLERS

(**71**) **Wilgus,** 40 cts. (**72**) **The Twin,** 35 cts. **Fan,** throws in one direction, 35 cts. **The Little Wonder,** 25 cts. **The Fountain,** $1.00.

(**67**) **Garey and Ross Lawn Sprinkler.** Brass, nickel-plated. Throws water in fan-shaped spray. Will not injure most delicate foliage. Price, 75 cts. each.

### HOSE NOZZLES

(**74**) **Boston,** brass, 50 cts. **Boston Hothouse Rose,** 60 cts.

**Meyer's Sprinkler.** The best and simplest Sprinkler on the market and is just what you need for your lawn. It is 3 ft. long and made of zinc. Spray is regulated from the hydrant from 3 inches to 10 feet. At one end of sprinkler is a screw cap which can be removed and the sprinkler flushed out. Price $1 each.

(**70**) **Bent Leg Hose Reel.** The best wooden reel made—not easily tripped over.

No A. for 100 ft. of ¾ in. Hose ..... $1.75
No B. for 200 ft. of ¾ in. Hose ..... 2.50

### MISCELLANEOUS

**Garden Lines.** In balls, about 200 ft. 60 cts. per ball.

**Grafting Wax** (Bee's Wax). Subject to fluctuation. Lb. 50 cts. Prices on larger quantities on application.

**Grafting Wax, Lion Brand.** Pkg. 15 cts., 25 cts. and 50 cts. each.

**Grafting Cloth.** Pkg. 25 cts. each.

**Sprinkler, Scollay's Rubber.** Indispensable for floral work and window gardening, or sprinkling in any way. In sizes, 60 cts., 75 cts., 90 cts. and $1.

**Sprinkling Cans.** Galvanized. 4-qt. 50 cts.; 6 qt. 75 cts.; 8 qt. 90 cts.; 10 qt. $1.

**Imported Sprinkling Cans.** French Pattern, made out of aluminum, long spouts especially for greenhouse and nursery work. 6-qt. $1.25, 8 qt. $1.75; 10 qt. $2.00; 12 qt. $2.50; 14 qt. $3.50; 16 qt. $4.

**Thermometers.** We carry a full line of household, greenhouse, dairy and incubator thermometers.

**Moss Green.** Fine and fresh. Is not stained. The best for hanging baskets. Per lb. 10 cts. Quantity price on application.

**Moss, Sphagnun.** Per bale of about 35 lbs., $2.

**Stakes.** Bamboo. Fine for young trees and other light plants. 5 ft. $1; 6 ft. $1.25.

### WIRE HANGING BASKETS

| | |
|---|---|
| 6 inch | $0.15 |
| 8 inch | .25 |
| 10 inch | .35 |
| 12 inch | .50 |
| 14 inch | .75 |

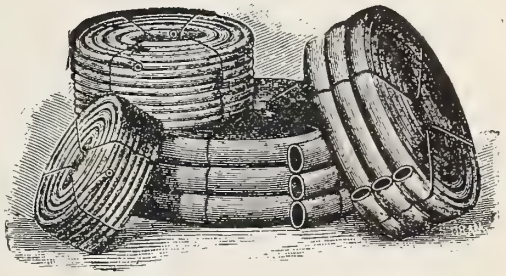
### PRICE LIST OF LABELS

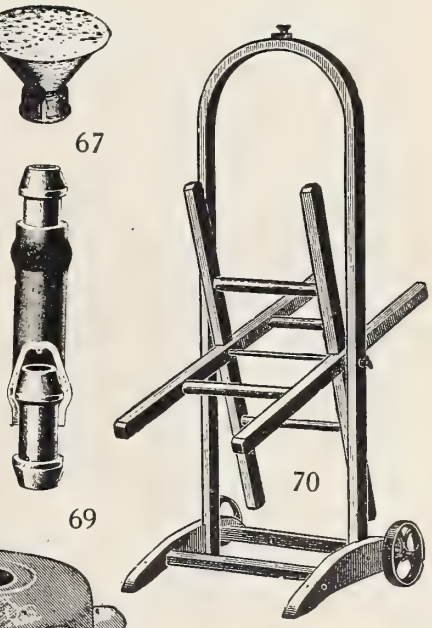
**Pot Labels.**

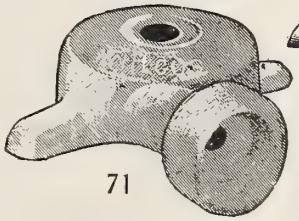
| | Per 100 |
|---|---|
| 4 inch | $0.15 |
| 5 inch | .20 |
| 6 inch | .25 |
| **Garden Labels.** | |
| 8 inch | $0.75 |
| 12 inch | 1.00 |

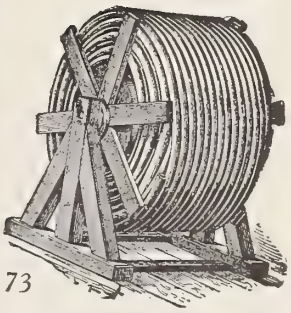
**Iron Wired Tree Labels.**
3½ inch, 20 cts. per 100; $1.35 per 1,000.

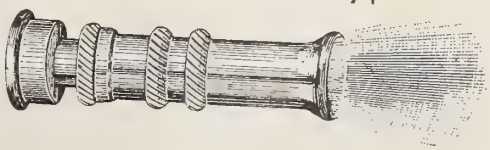
**Copper Wired Tree Labels.**
3½ inch, 25 cts. per 100; $1.75 per 1,000.







# GARDEN AND FARM REQUISITES

### (36-39) THE BOSS ROLLER-HEART DESIGN

The only high-grade lawn roller on the market having a perfectly smooth face and a silver finish. The cylinders revolve on steel axles and fit neatly. The outer edges are bevelled, thus greatly facilitating the operation of the roller. The cylinders are so geared that, when turning, one of the rollers remains in place while the other revolves, enabling the operator to work in small spaces and turn without danger of tearing up lawn or soil.

These rollers are balanced with a heavy weight attached to the axle, which not only keeps them perfectly level, but holds the handles in an erect position when not in use. The handles are of a new design and well braced, which makes them rigid, durable and extremely neat in appearance. We do not hesitate to say that the **Boss Roller, Heart Design**, as Illustrated here, is not only the handsomest roller in the world, but the most desirable and best-made roller on the market.

Nothing enhances the value and appearance of a house, whether it be a cottage or a mansion, more than a well-kept lawn, and next in importance to preparing and seeding the soil, is rolling. All lawns should be mown often and rolled frequently, if a good even sward is desired. The benefit derived from the use of a roller on the lawn, especially in the spring, is not fully understood. The action of cold weather and rains causes the soil to heave, and if not firmly pressed back with a roller before the hot weather begins, the grass is liable to be killed or injured, leaving the lawn full of bare spots.

| | |
|---|---|
| No. 1 15 inches in diameter, 15 inches long, in two sections, 7½ inch face, 150 lbs. weight | $13.00 |
| No. 4 20 inches in diameter, 20 inches long, in two sections, 10 inch face, 250 lbs. weight | 18.00 |
| No. 6 20 inches in diameter, 24 inches long, in two sections, 8 inch face, 300 lbs. weight | 22.00 |
| No. 9 24 inches in diameter, 20 inches long, in two sections, 10 inch face, 400 lbs. weight | 26.50 |
| *No. 20 20 inches in diameter, 20 inches long, in two sections, 10 inch face, 300 lbs. weight | 25.00 |
| No. 15 28 inches in diameter, 30 inches long, in three sections, 10 inch face, 600 lbs. weight | 30.00 |

Horse Lawn Rollers from $75 to $95.

*No. 20 is fitted with a weight box which can be loaded up to 500 lbs. if necessary. These weight boxes can be furnished for other sizes, if wanted, at an additional cost.

(45) **Corn Planter, The Segment.** One hand corn and bean planter. The most accurate and up-to-date planter on the market. $1.25.

### FLOWER POTS

| | Each | Per Doz. |
|---|---|---|
| 2 inch, 3 for | $0.05 | $0.20 |
| 2½ inch, 2 for | .05 | .25 |
| 3 inch, 3 for | .10 | .35 |
| 4 inch | .05 | .50 |
| 5 inch, 2 for | .15 | .75 |
| 6 inch | .10 | 1.00 |
| 7 inch | .15 | 1.25 |
| 8 inch | .15 | 1.50 |
| 9 inch | .20 | 2.00 |
| 10 inch | .25 | 2.75 |
| 12 inch | .60 | 6.00 |
| 14 inch | 1.00 | ..... |

Packing at cost.

**Fern Pots,** about half size of flower pots, prices are the same.

### FLOWER POT SAUCERS

| | Each | Per Doz. |
|---|---|---|
| 4 inch, 3 for | $0.10 | $0.35 |
| 5 inch | .05 | .50 |
| 6 inch | .05 | .60 |
| 7 inch | .10 | .75 |
| 8 inch | .10 | 1.00 |
| 9 inch | .15 | 1.50 |
| 10 inch | .20 | 2.00 |
| 12 inch | .25 | 2.50 |
| 14 inch | .40 | 4.00 |

Packing at cost.

### MOISTURE PROOF PLANTING POTS

Adopted by the U. S. Government Forest Department and Santa Fe Railroad. These pots are the most economical and cheapest pots for propagating plants, as peppers, tomatoes and other garden truck, also for the purpose of planting forests, as they require no preparation on the hillside other than digging the hole to insert the pot; it is of the same advantage on level ground, the roots are not disturbed and the plants are not injured by being transplanted.

Price of 4-in. pots, f.o.b. Los Angeles 5 cts. each, 25 pots 4 cts. each

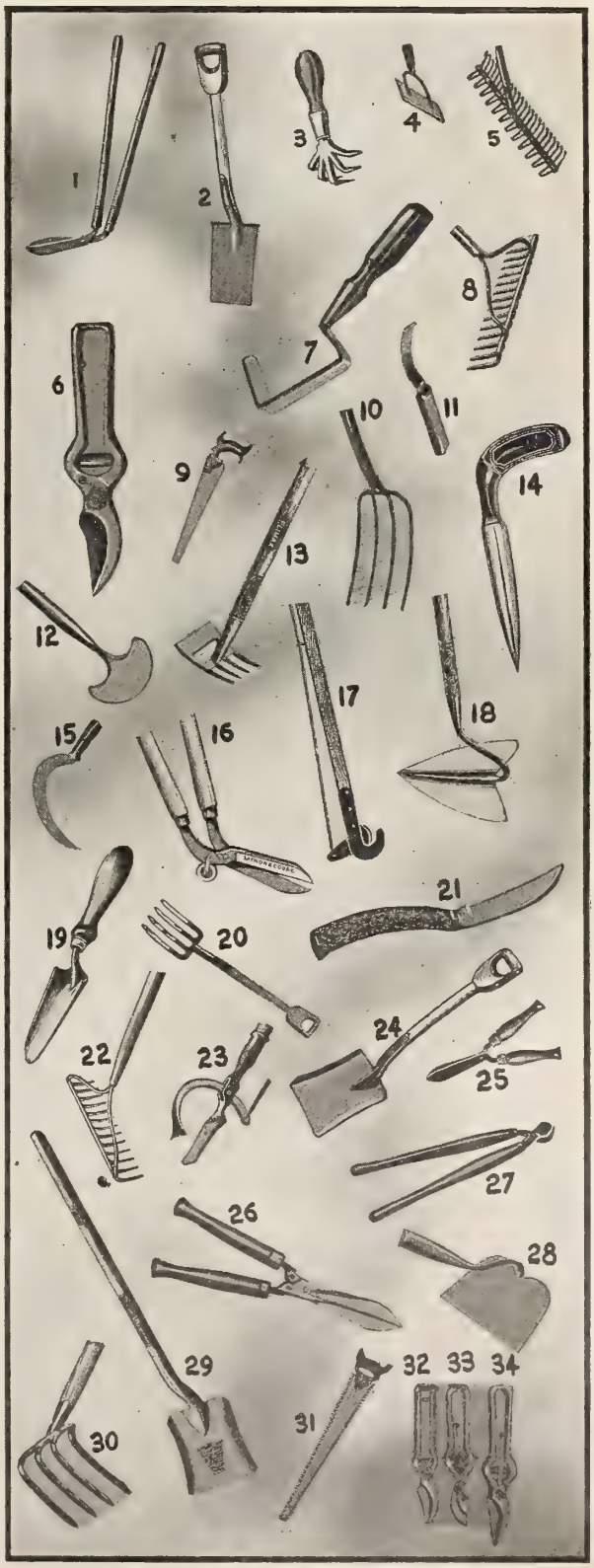
| | | |
|---|---|---|
| 250 pots | $ 0.02½ | each |
| 500 pots | .02 | each |
| 1,000 pots | 11.00 | per thousand |
| 5,000 pots | 8.00 | per thousand |
| 10,000 pots | 7.10 | per thousand |

Larger amounts special quotation.

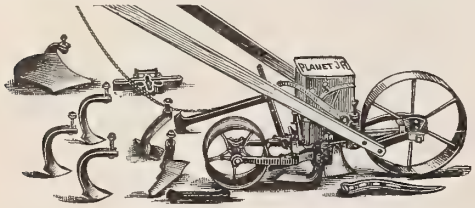
# GARDEN Germain's REQUISITES

(14) **Dibble.** Germain's steel, dagger-shaped, tapering, all steel, 75 cts.
(20) **Forks, Digging.** Short handled, 4-pronged. $1 to $1.35.
(30) **Forks, Digging.** Long, straight handle, four-pronged, $1.
(10) **Forks, Hay.** 2-pronged, 50 cts. 4-pronged, $1.
**Forks, Hand-Weeding.** Best steel, 50 cts. Cast iron, 10 cts., 15 cts. and 25 cts.
**Forks, Manure.** Four-pronged, $1.
(15) **Grass Hooks, or Sickles.** 40 cts., 50 cts. and 60 cts. each.
**Hoes, Draw.** Cast steel, 5-in., 35 cts., 7-in., 50 cts.
(28) **Hoes, Draw.** Planter's. Very useful, sharp-cutting. 6-in. 30 cts.; 7-in. 40 cts.; 9-in. 55 cts.; 10-in. 60 cts.
(18) **Hoes, Draw,** Warren or "Bayonet" hoes, 75 cts.
(4) **Hoes, Push, Scuffle, or Dutch.** A very useful garden tool for keeping down weeds. 7-in. 60 cts.; 8-in. 75 cts.
(13) **Hoe and Rake Combined.** According to size, 35 cts. to 55 cst.
**Knives, Budding.** English and German Imported, 50 cts. to $1.50.
**Knives, Corn.** 18-in. blades, kris-shaped, 50 cts.
**Knives, Flower-Gatherers.** A bar on the blade holds the stem of the flower after cutting. $1 to $1.50.
(11) **Knives, Potato.** Humphrey's concaved and curved, 15 cts.
(21) **Knives, Pruning.** German imported (Henckel's) and American makes, 50 cts. to $1.75.
**Manure Hooks.** Fine steel and well finished. $1.
**Mattocks.** With handles, $1.25.
**Orange Clippers.** 35 cts. to 60 cts.
**Post-Hole Digger.** This digger is fitted with lock lever, $2.50.
**Rakes, Malleable Iron.** Small, 25 cts.; large, 25 cts.
(8) **Rakes, All Steel.** 14 teeth, 60 cts.; 16 teeth, 75 cts.
(22) **Rakes, Steel Bow, Garden.** 11 teeth, 70 cts.; 13 teeth, 75 cts.
**Rakes, "Ole Oleson."** Wooden teeth. The best kind suitable for raking leaves, etc. off lawns. 75 cts.
(5) **Rakes, Lawn.** "Ohio Boy," galvanized; the teeth run right through the frame, forming 24 teeth on the one side and 12 looped teeth on the other. 55 cts. Wooden frame, 24 wire teeth, 60 cts. Wooden, 18 teeth, 40 cts.
(9) **Saws, Pruning.** Brown's 16-in., 75 cts.; Disston's Crescent, with upward cut, 12-in. and 14-in., 75 cts.; (31) "Keen Kutter" double edge, 15-in., $1.
**Scythes and Snath.** $1.75.
(1) **Shears, Border or Edging.** 9-in., long handles, $3.50; (16) 9-in., long handles, with wheels, $4.
(25-26) **Shears, Hedge.** Sheffield, 8-in., $1.50; 9-in. $1.75; 10-in. $2.
(27) **Shears, Tree-Looping.** $1.25 to $2.50.
(17) **Shears, Tree-Pruning.** Lee's Telegraph, 6-ft., $1; 8-ft. $1.25; 10-ft., $1.50.
(6) **Shears, Pruning.** Small, for ladies' use; made of fine steel, nickel-plated, in 3 sizes, 80 cts., $1 and $1.25.
(32-34) **Shears, Pruning.** Henckel's German Imported. $1 to $3.50.
We wish to call special attention to the shears which we term OUR SPECIAL, a Henckel shear, unsurpassed by any other article on the market. $3.50.
**Shears, Grass.** American, cranked handle, 6-in. blades, 50 cts.; English, cranked handle, $1.
(24) **Shovels.** Short D-handled, 75 cts. to $1.25.
(29) **Shovels.** Long handled, $1 to $1.75.
**Spades.** Boys' or ladies' small. 50 cts.
(2) **Spades.** Best makes, full size, D-handled, $1 to $1.75.
(19) **Trowels, Garden.** American, 6-in. tinned, 10 cts.; 7-in., 20 cts. Same, steel, 35 cts.
**Trowels, Garden.** English, shank and blade solid steel, 6-in., straight or crooked shank, 60 cts.
(12) **Turf Edger.** With handle; used for trimming edges of lawns. 75 cts.
**Turf Edger.** The Hough combination tool. A weeder, edger, hoe, drill, spade and sod-cutter. The handiest tool of the kind made. Long handle. Price, $1.
(3) **Weeders, Hand.** "Excelsior." Used for weeding seed-beds, stirring the soil, etc., 10 cts.
(7) **Weeders, Hand.** "Hazeltine." One of the best; solid steel, good size and durable, 35 cts.
(42) **Weeders, Hand.** "Havil's Lawn." The best tool for weeding lawns; will take out dandelion and other deep-rooted weeds. 35 cts.
(35) **Pond's "Handy" Weeder.** The self-acting spring fork and shoe which serves as a fulcrum to pry out the weeds, are made of the very best materials and are therefore neat, durable and efficient. Made in two sizes. No. 1 with blade 1¼ inches wide by 8 inches in length, 35 cts. No. 2 with blade 1¾ in. wide and 8½ in. in length, 40 cts.
(23) **Lifting Weeder.** A chisel blade cuts off the weeds; the trigger holds them so they can be pulled out. 75 cts. each.
(47) **Wheelbarrow.** This barrow is light, strong and durable, has steel wheel and axle, and we do not hesitate to say that it is the best barrow on the market. It is well painted, striped and varnished. Price, $4.
(41) **Potato Planter, The Acme "Tubular"** has spring-closed jaws, especially designed to enter the ground easily and yet open wide enough to drop the largest for any depth of planting. The conveyor-tube is of galvanized iron and tapered to avoid clogging. $1.50 each.
(46) **Mole Trap,** easy setting, spear. Price $1 each.
**Traps, Gopher.** "Dead Lock," 35 cts. "Star," 25 cts. "Wards Novelty," 35 cts.
(43) **Traps, Mole.** "Olmstead's" sure death to moles, $2. "The Reddick," spear, $1 each.
(40) **Cahoon Seed Sower.** The standard Sower, superior to all other hand sowers. Gives perfect satisfaction and can be used for sowing alfalfa and all grains broadcast. Sows from four to eight acres per hour at a common walking gait. A person entirely unused to sowing by hand can use this machine with perfect success. $3.50.

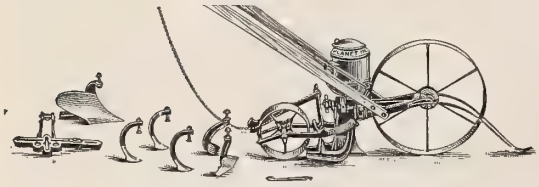
(44) **The Little Giant Seeders** are the lightest running and best sowing machines on the market. They have Iron Frames, Malleable Brace, Force Feed, Pressed Tin Distributing Wheel, and hand hold on the side, and the stirrer is the most effective feeder placed on any machine. Price $2.50.



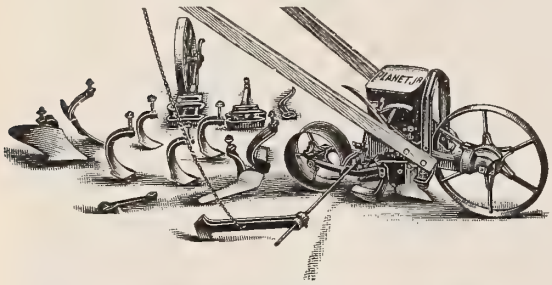
# "PLANET JR." FARM AND GARDEN GARDEN TOOLS



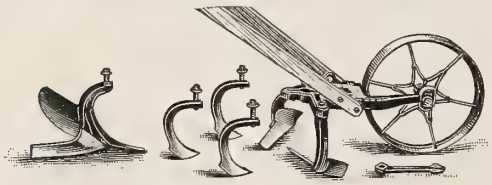

NO. 4 COMBINED TOOL



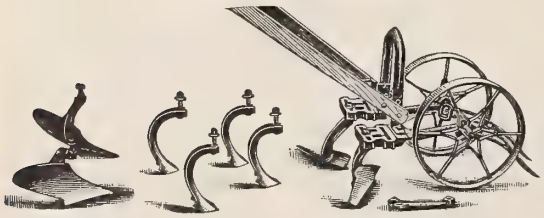
NO. 6 HILL AND DRILL SEEDER



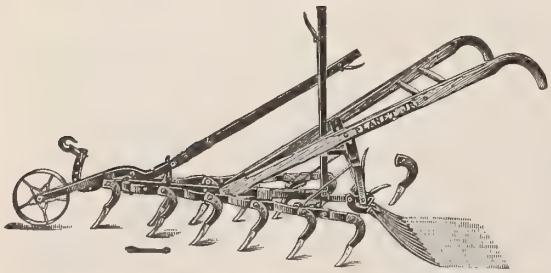

NO. 25 COMBINED HILL AND DLILL SEEDER



NO. 17 SINGLE WHEEL HOE



NO. 12 DOUBLE-WHEEL HOE



12-TOOTH HARROW, CULTIVATOR AND PULVERIZER

**"The best is always the Cheapest"**
**Send for "Planet Jr." Catalogue**

### NO. 4 COMBINED SEED DRILL, SINGLE WHEEL HOE, CULTIVATOR AND PLOW

This is the most popular combined tool made. It combines in a single implement, a first-class hill-dropping seeder, a single wheel hoe or weeder, a cultivator and a plow. As a wheel hoe it is identical with the "Planet Jr." No. 17 Single Wheel Hoe, the very best machine on the market.

### NO. 6 HILL AND DRILL SEEDER AND SINGLE WHEEL HOE

This seeder is the latest and most perfect development of the hand seed drill. It sows evenly in drills and also drops in hills at 4, 6, 8, 12 and 24 inches apart. It is thrown out of gear instantly by moving a convenient lever, or the flow of seed is stopped by pushing down feed rod. No time is lost, no seed is wasted. It is quickly set to sow the different kinds of seeds, in the exact thickness required. The accurate hill-dropping drill, which gives a regular stand of plants with the least seed, saves its cost over and over again in seed alone. Price, complete, $14.50; as a drill only, $12; as a wheel hoe, $7.

### NO. 8 HORSE HOE AND CULTIVATOR

Probably no other cultivating machine is so widely known as the "Planet Jr." Combined Horse Hoe and Cultivator, for it is in use throughout the civilized world. It is so strongly built as to withstand incredible strain yet it is light and easy to handle. It opens and closes furrows, hoes right up to the plants without danger of injuring, throws dirt to or from the row and back from center again. You can set the hoes at any angle or reverse altogether, cultivate to any depth desired, and adjust for any width. Price $10.50. Without depth regulator (order as No. 7), $10.

### NO. 12 DOUBLE WHEEL HOE, CULTIVATOR AND PLOW

Two acres a day can easily be worked with this implement, and when it is done it will be a better job than three men could have done in the same time with hand hoes. The No. 12 runs either astride or between the rows; kills all the weeds and leaves the earth in fine shape. The No. 12 has a pair of 6-inch hoes, a pair of plows for opening or covering, and a set of four all-steel cultivator teeth. Price, $7.85.

### 12-TOOTH HARROW, CULTIVATOR AND PULVERIZER

With the 12-tooth harrow here shown, you go as deep or as shallow as you like, come up close to row without injuring plants, cut out all the weeds, stir the soil and mellow and fine it as with a garden rake. You widen and narrow as you please between 12 and 32 inches. Price, complete, $10.50; without wheel, $8.60; without the wheel and pulverizer, $7.30.

### "PLANET JR." NO. 17 SINGLE WHEEL HOE, CULTIVATOR AND PLOW

For easy gardening, and at the same time clean and perfect gardening, nothing is quite the equal of this No. 17 Wheel Hoe. It is suited to all kinds of garden cultivation and all garden crops. The No. 17 has a pair of 6-inch hoes, a plow, and a set of cultivator teeth, an outfit sufficient for most garden work. Price, $5.75. No 16, with a pair of rake and leaf-lifters in addition to the above equipment. Price, $6.50. No. 17½, with hoes, cultivator teeth and leaf-lifter. Price, $5.25. No. 18, with hoes only. Price, $4.25.

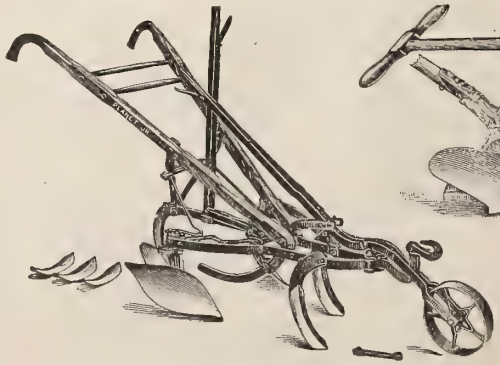
### 'PLANET JR." NO. 25 COMBINED HILL AND DRILL SEEDER DOUBLE WHEEL HOE, CULTIVATOR AND PLOW

This combined machine is intended for gardeners who have a large enough acreage in crops for a double wheel hoe to be used to good advantage, and prefer not to buy separate machines. As a wheel hoe it is identical with the "Planet Jr." No. 12 Double Wheel Hoe, the very best machine on the market. Price, $14.50.

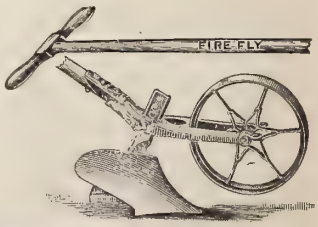
### THE FIRE-FLY GARDEN PLOW

This tool is most useful to owners of small gardens. It will throw a furrow 4 to 6 inches wide, and 1 to 3 inches deep. The furrows for manure or seeds can be opened and covered. In cultivating, plow away, weed, and plow back again.

Chicken raisers find it of great advantage in plowing up their scratching yards. Price, $3.00.



NO. 8 HORSE HOE AND CULTIVATOR




FIRE-FLY

# INDEX


PAGE

**HOW TO ORDER** ..... 1
**NOVELTIES AND SPECIALTIES** ..... 1–10

## COLLECTIONS

School Garden ..... 9
Vegetable Garden ..... 10
Flower Garden ..... 40, 45

**REFERENCE TABLES** ... 37, 38

## VEGETABLE SEEDS

Artichoke ..... 11
Asparagus ..... 2, 11
Beans ..... 3, 8, 12
Beets ..... 8, 13
Borecole ..... 19
Brocolli ..... 14
Brussels Sprouts ..... 14
Cabbage ..... 2, 3, 14
Cassabas ..... 22
Carrots ..... 15
Cauliflower ..... 15
Celery ..... 16
Chervil ..... 16
Chicory ..... 16
Corn ..... 4, 16
Corn Salad ..... 18
Cress ..... 18
Cucumbers ..... 18
Culinary Herbs ..... 31
Dandelion ..... 19
Egg Plant ..... 5, 19
Endive ..... 19
Garlic ..... 19
Kale ..... 19
Kohlrabi ..... 19
Leek ..... 20
Lettuce ..... 5, 20
Medicinal Herbs ..... 31
Muskmelon ..... 21
Mushroom Spawn ..... 24
Mustard ..... 24
Okra ..... 24
Onions ..... 6, 24
Parsley ..... 26
Parsnip ..... 26
Peas ..... 25
Peppers ..... 26
Pepper Grass ..... 18
Pie Plant ..... 29
Potatoes ..... 27
Pumpkins ..... 27
Radishes ..... 7, 28
Roselle (see flowers)
Rhubarb ..... 29
Rutabaga ..... 31
Salsify ..... 29
Sorrel ..... 29
Spinach ..... 29
Squash ..... 29
Stock Melon ..... 23
Sweet Herbs ..... 31
Tomatoes ..... 7, 30
Turnips ..... 6, 31
Watermelons ..... 22

**COVER CROPS** ..... 32

Vetches ..... 32
Field Peas ..... 32
Cow Peas ..... 32
Clover ..... 32
Fenugreek ..... 32

**GRASS AND CLOVER SEEDS** ..... 33, 34
**FERTILIZERS** ..... 33, 105

## FIELD SEEDS

Artichoke ..... 35
Alfilaria ..... 35
Canary Seed ..... 35
Barley ..... 35
Buckwheat ..... 35
Beans ..... 35
Broom Corn ..... 35
Corn ..... 35
Cotton ..... 35
Flax ..... 35
Hemp ..... 35
Lentils ..... 35
Millet ..... 36
Oats ..... 36
Peanuts ..... 36
Peas ..... 36
Rape ..... 36
Rice ..... 36
Sorghum ..... 36
Salt Bush ..... 36
Sunflower ..... 36
Spiltz ..... 36
Teosinte ..... 36
Tagasaste ..... 36
Tobacco ..... 36
Wheat ..... 36

## FLOWER SEEDS

**AIDS IN THE SELECTING OF FLOWER SEED** ..... 57
**ANNUAL FLOWER SEED** 41–45
**CALIFORNIA NATIVE FLOWER SEED** ..... 56
**CULTURAL SUGGESTIONS** ..... 39
**CLIMBERS** ..... 47
**EVERLASTING FLOWERS**, 46
**GERMAIN'S COLLECTION** 40
**ORNAMENTAL GOURDS**, 46
**ORNAMENTAL GRASSES**, 50
**PERENNIAL FLOWER SEED** ..... 50–56
**SWEET PEAS** ..... 48–50

Abobra ..... 41
Abronia ..... 41
Acroclinum ..... 46
Adonis ..... 41
Adlumia ..... 47
Ageratum ..... 41
Agrostis ..... 50
Alyssum ..... 41
Alyssum saxatile ..... 00
Amaranthus ..... 41
Ammobium ..... 46
Ampelopsis ..... 47
Anagallis ..... 41
Anchusa ..... 50
Anemone ..... 50
Antigonon ..... 47
Antirrhinum ..... 50
Aquilegia ..... 50
Arabis ..... 50
Arctotis ..... 41
Argemone ..... 41
Aristolochia ..... 47
Armeria ..... 50
Arnebia ..... 41
Asparagus ..... 50
Asperula ..... 50
Aster ..... 41
Aster perennial ..... 50
Auricula ..... 50
Australian pea vine ..... 47
Avena ..... 50
Balloon Vine ..... 47
Balsam ..... 41
Bartonia ..... 41
Begonia ..... 50
Bellis ..... 50
Bignonia ..... 47
Brachycome ..... 42
Briza ..... 50
Brodiaea ..... 56
Browallia ..... 42
Bryonopsis ..... 46
Cacalia ..... 42
Cactus ..... 51
Calandrina ..... 42
Calceolaria ..... 42
Calendula ..... 42
Calliopsis ..... 42
Campanula ..... 51
Canary-Bird-Flower ..... 47
Candytuft ..... 42
Canna ..... 51
Canterbury Bells ..... 51
Carnation ..... 51
Catchfly ..... 42
Celosia ..... 42
Centaurea ..... 42
Centaurea perennial ..... 51
Centranthus ..... 42
Cerastium ..... 51
Chrysanthemum perennial ..... 51
Chrysanthemum Annual ..... 42
Cineraria ..... 42
Cineraria perennial ..... 51
Clarkia ..... 42
Clematis ..... 47
Clianthus puniceus ..... 47
Clianthus Dampieri ..... 51
Clintonia ..... 42
Clitoria ..... 47
Cobaea ..... 47
Coleus ..... 51
Collinsia ..... 42
Convolvulus minor ..... 42
Convolvulus perennial ..... 51
Convolvulus ..... 47
Coreopsis ..... 51
Corn flower ..... 42
Cosmos ..... 42
Cosmidium ..... 42
Cuphea ..... 51
Cyclamen ..... 51
Cypress Vine ..... 47
Dahlia ..... 52
Daisy Shasta ..... 51
Datura ..... 42
Delphinum ..... 52
Delphinum cardinale ..... 56
Dianthus ..... 52
Dicentra ..... 56
Digitalis ..... 52
Dodecatheon ..... 56
Dodecatheon Meadia ..... 52
Dolichos ..... 47
Eccremocarpus ..... 47
Emmenanthe ..... 56
Eschscholtzia ..... 56
Eragrostis ..... 50
Erpetion ..... 52
Erythrina ..... 52
Eulalia ..... 50
Eutoca ..... 43
Evening Primrose ..... 52
Fenzlia ..... 43
Ferns ..... 52
Festuca ..... 50
Forget-me-not ..... 52
Fraxinelia ..... 52
Freesia ..... 52
French Honeysuckle ..... 52
Fuchsia ..... 52
Gaura ..... 00
Gaillardia ..... 52
Gentiana ..... 52
Geranium ..... 52
Gerberia ..... 52
Geum ..... 52
Gilia ..... 43
Globe Amaranthus ..... 46
Gloxinia ..... 52
Gnaphalium ..... 46
Godetia ..... 43
Goldenrod ..... 52
Gypsophlia ..... 43
Gypsophlia perennial ..... 52
Helianthus ..... 43
Helichrysum ..... 46
Heliotropium ..... 52
Heuchera ..... 52
Hibiscus ..... 53
Hibiscus Africanus ..... 43
Hollyhock ..... 53
Humulus ..... 47
Honesty ..... 53
Hunnemannia ..... 53
Hyacinthus ..... 53
Ice Plant ..... 43
Imperial Japanese Morning Glory ..... 47
Ipomoea ..... 47
Ipomopsis ..... 53
Isolepsis ..... 50
Kaulfussia ..... 43
Kennedya ..... 47
Kuduzu Vine ..... 47
Lagurus ..... 50
Lantana ..... 53
Larkspur ..... 43
Lasiagrostis ..... 50
Lathyrus ..... 56
Lavender ..... 53
Lavatera ..... 43
Layia ..... 56
Leptosiphon ..... 43
Leptosyne stillmani ..... 56
Limanthes ..... 43
Linaria ..... 53
Linum ..... 43
Loasa ..... 47
Lobelia ..... 43
Lobelia cardinalis ..... 53
Lonicera ..... 47
Lupinus perennial ..... 53
Love-lies-bleeding ..... 43
Lychnis ..... 53
Malope ..... 43
Mandevillea ..... 47
Marigold ..... 43
Mesembryanthemum ..... 43
Marvel of Peru ..... 53
Matthiola ..... 43
Matricaria ..... 53
Maurandia ..... 47
Mignonette ..... 43
Mimulus ..... 53
Mina lobata ..... 47
Momordica ..... 46
Musk Plant ..... 53
Myosotis ..... 53
Nasturtium Tom Thumb ..... 43
Nasturtium Tall ..... 47
Nemophila ..... 44
Nicotiana ..... 44
Nierembergia ..... 53
Nigella ..... 44
Nolana ..... 44
Oenothera ..... 53
Oxalis ..... 53
Oxyura ..... 44
Pansy ..... 54
Passiflora ..... 48
Pentstemon ..... 54
Pelargonium ..... 00
Perilla ..... 44
Petunia ..... 54
Phasolus ..... 48
Phacelia ..... 56
Phlox ..... 44
Phlox Perennial ..... 54
Physalis ..... 54
Picotee Pink ..... 54
Pink Florists ..... 55
Platystemon ..... 44
Poinsettia ..... 55
Polemonium ..... 55
Polyanthus ..... 55
Poppy ..... 44
Poppy perennial ..... 55
Portulaca ..... 45
Primrose ..... 55
Primula ..... 55
Pyrethrum ..... 55
Ricinus ..... 45
Rhodanthe ..... 46
Rocket sweet ..... 55
Romneya Coulteri ..... 56
Rose Campion ..... 55
Rudbeckia ..... 55
Salpiglossis ..... 45
Salvia ..... 55
Santolina ..... 55
Sanvitalia ..... 45
Saponaria ..... 45
Saxifraga ..... 55
Scabiosa ..... 45
Schizanthus ..... 45
Sensitive Plant ..... 55
Silene ..... 45
Smilax ..... 41
Solanum ..... 55
Solidago ..... 55
Sollya ..... 48
Statice ..... 55
Stevia ..... 56
Stocks, Annual ..... 45
Stocks, Diennial and Perennial, 56
Stipa ..... 50
Sunflower (see Helianthus) ... 45
Sweet Sultan (see Centaurea), 45
Sweet Peas ..... 48–50
Sweet William ..... 56
Tacsonia ..... 48
Tagetes ..... 45
Thunbergia ..... 48
Torenia ..... 45
Tricholaena ..... 50
Tropaeolum ..... 48
Uniola ..... 50
Venus Looking-glass ..... 45
Verbena ..... 56
Vinca ..... 56
Viola ..... 56
Virginia Stock ..... 45
Viscaria ..... 45
Wallflower ..... 56
Whitlavia ..... 45
Wigandia ..... 56
Wistaria ..... 48
Xeranthemum ..... 46
Zea ..... 50
Zinnia ..... 45

## TREE SEEDS

**TREE AND SHRUB SEED** .. 58
**AUSTRALIAN TREE AND SHRUB SEEDS** ..... 58
**DECIDUOUS TREE AND SHRUB SEEDS** ..... 59
**EUCALYPTUS TREE SEED** ..... 60–62
**CONIFER AND MISCELLANEOUS EVERGREEN TREE AND SHRUB SEEDS** ..... 63

# INDEX (Continued)


PAGES

**PALM AND OTHER DECORATIVE PLANT SEEDS** .. 64
**PALM SEEDS** .... 64
**SEEDS OF DECORATIVE PLANTS** .... 64
**FRUIT TREE SEEDS** .... 66
**SMALL FRUIT TREE SEEDS** .... 66
Acacia .... 58
Agave .... 64
Areca Palm .... 64
Brachychiton .... 58
Boronia .... 58
Buxus .... 63
Calycanthus .... 59
Camphora .... 63
Capparis .... 59
Casuarina .... 58
Catalpa .... 59
Cedrus .... 63
Ceratonia .... 59
Chamaerops Palm .... 64
Corypha .... 64
Coronilla .... 63
Cryptomeria .... 63
Cunninghamia .... 63
Cupressus .... 63
Dracaena .... 64
Erythea .... 64
Eucaluptus .... 61
Ficus .... 59
Fraxinus .... 59
Gleditschia .... 59
Grevillea .... 59
Hakea .... 63
Jacaranda .... 63
Juniperus .... 63
Libocedrus .... 63
Ligustrum .... 63
Maclura .... 59
Magnolia .... 63
Phoenix Palm .... 64
Pinus .... 63
Pittosporum .... 59
Polygala .... 63
Prunus .... 59
Robinia .... 59
Sciadopitys .... 63
Schinus .... 63
Seaforthia .... 64
Sequoia .... 63
Solanum .... 63
Sterculia diversifolia .... 59
Sterculia platanifolia .... 63
Syringa .... 59
Telopea .... 59
Thuja .... 63
Viburnum Opulus .... 59
Viburnum Tinus .... 63
Washingtonia .... 64
Yucca .... 65
**FRUIT SEEDS** .... 66


## TREES AND PLANTS

Pages 67 to 88, inclusive.

Before ordering, read the Nursery Department **GENERAL INFORMATION**, page 67.

## FRUIT TREES AND PLANTS


**FRUIT TREES** .... 68–73
**NUT TREES** .... 68, 73
**GRAPE VINES** .... 70, 71
**BERRY PLANTS** .... 73, 74
**MISCELLANEOUS FRUITS** 74
Almonds .... 68
Alligator Pear .... 74
Apples .... 68, 69
Apricots .... 69
Avacado .... 74
Blackberries .... 73
Cherries .... 69
Cherimaya .... 74
Crab Apples .... 69
Currants .... 73
Custard Apple .... 74
Dewberries .... 73
Figs .... 70
Gooseberries .... 73
Grape Fruit .... 68
Grape Vines .... 70, 71
Guava .... 74
Japanese Persimmons .... 72
Lemons .... 68
Loganberry .... 73
Loquat .... 74
Nectarines .... 71
Olives .... 71
Oranges .... 68
Peaches .... 71, 72
Pears .... 72
Plums .... 72, 73
Pomelo .... 68
Prunes .... 73
Quinces .... 73
Raspberries .... 74
Strawberries .... 74
Walnuts .... 73


## ORNAMENTAL DEPT.

Pages 74 to 88, inclusive.


**ROSES** .... 74–76
**ORNAMENTAL DECIDUOUS TREES** .... 76
**ORNAMENTAL DECIDUOUS SHRUBS** .... 77
**ORNAMENTAL EVERGREEN PLANTS** .... 77
**ORNAMENTAL EVERGREEN TREES** .... 78–81
**ORNAMENTAL EVERGREEN SHRUBS** .... 81, 82
**PALMS AND DRACAENAS** . 82
**AGAVES, YUCCAS, ETC** .. 84
**BEDDING AND BORDER PLANTS** .... 84–86
**CLIMBING AND TRAILING PLANTS AND GRASSES** .... 87
**CULINARY ROOTS, PLANTS AND SHRUBS** .... 31
**FERNS, HANGING BASKETS, FERN BALLS AND BEGONIAS** .... 88
Acacias .... 78
Achyranthus .... 84
Agapanthus .... 84
Agaves .... 84
Aloysia Citriodora .... 77
Altermanthera .... 84
Ampelopsis .... 87
Araucarias .... 78, 79
Arbor Vitae .... 81
Artichoke Plants .... 31
Ash .... 76
Asparagus Ferns .... 88
Asparagus Roots .... 31
Aspidistra .... 77
Asters .... 84
Australian Flame Tree .... 81
Australian Fern Tree .... 80
Australian Pea Vine .... 87
Azalea .... 77
Bamboos .... 87
Banana .... 77
Baskets (Fern) .... 88
Bay Trees .... 77
Bedding and Border Plants .. 84
Begonias .... 87
Beef-Wood .... 79
Bignonia .... 87
Boston or Japanese Ivy .... 87
Bottle Brush .... 81
Bottle Tree (see Sterculia Diversifolia) .... 81
Bougainvillea .... 87
Box Wood .... 77
Brachychiton Populenum .... 81
Breath of Heaven .... 81
Bridal Wreath .... 77
Broom .... 81
Buxus Sempervirens .... 77
Cabbage Plants .... 31
Cactus Dahlias .... 86
Caladium .... 81
California Big Tree .... 81
California Live Oak .... 80
California Red Wood .... 81
Callistemon Speciosus .... 81
Camellia Japonica .... 77
Camphor Trees .... 79
Cannas .... 85
Cedrus Deodora .... 79
Centurea Candidissima .... 84
Chili Jasmine .... 87
Chives .... 31
Chrysanthemums .... 86
Climbing Plants .... 87
Climbing Rubber .... 87
Cobaea Scandens .... 87
Coleus .... 84
Columbine .... 84
Coreopsis .... 84
Cottonwood .... 76
Crape Myrtle .... 77
Creeping Lippia .... 87
Culinary Roots, Plants and Shrubs .... 31
Cupressus .... 79
Cyclamen .... 77
Cypress .... 79
Dahlias (Cactus) .... 86
Daisies .... 84
Daphne Odora .... 81
Dasylirion .... 84
Diosma .... 81
Dolichos Lignosus .... 87
Dracaenas .... 83, 84
Dusty Miller .... 84
Egg Plants .... 31
Elephant Ear .... 81
Elm .... 76
English Ivy .... 87
Eucalyptus .... 79, 80
Ferns .... 88
Fern Balls (Japanese) .... 88
Ficus .... 80
Ficus Repens .... 87
Flax (New Zealand) .... 81, 82
Fuschsia .... 81
Genista .... 81
Geraniums .... 84
Glaucophyllum .... 84
Grasses .... 87
Grevillea Robusta .... 80
Grevillea Thelmanniana .... 81
Gynerium Argentium .... 87
Hanging Baskets .... 88
Hedera Helix .... 87
Heliotrope .... 81
Himalayan Cedar .... 79
Hibiscus .... 81
Hop Vine Roots .... 31
Honeysuckle .... 87
Horse Radish Roots .... 31
Hydrangea .... 81
Ipomea .... 87
Ivy .... 87
Jacaronda .... 80
Japanese Fern Balls .... 88
Jasmines .... 87
Jerusalem Thorn .... 80
Lady Washington Geraniums. 84
Lantana .... 81
Laurel (Laurus Nobilis) .... 77
Laurustinus .... 81
Lemon Verbena .... 77
Ligustrum .... 81
Lilac (Syringa) .... 77
Lippia Repens .... 87
Live Oak .... 80
Locust .... 76
Lobelia .... 84
Lonicera .... 87
Lotus .... 88
Magnolia .... 80
Mandevillea .... 87
Maple .... 76
Matillija Poppy .... 81
Mesembryanthemum .... 87
Mint Plants .... 31
Monterey Pine .... 80
Moonflower .... 87
Muchelbeckia Complexia .... 87
Mulberry .... 76
Musa Enseta .... 77
Myrtle .... 77, 81
Myrtus Communis .... 81
Nephrolepsis .... 88
Oak (Californian Live) .... 80
Oleanders .... 82
Ornamental Deciduous Shrubs, 77
Ornamental Deciduous Trees, 76
Ornamental Evergreen Plants, 77
Ornamental Evergreen Shrubs, 81, 82
Ornamental Evergreen Trees, 78–81
Palms .... 82–83
Pampas Grass .... 87
Pansy .... 84
Papyrus Antiquorum .... 87
Parkinsonia .... 80
Passiflora .... 87
Passion Vine .... 87
Pelargoniums .... 84
Pepper Plants .... 31
Penstemon .... 84
Pepper Tree .... 80
Petunia .... 84
Phlox .... 84
Phormium Tenox .... 81–82
Pine .... 80
Pinus Insignus .... 80
Pittosporum .... 82
Plumbago .... 82
Poinsettia .... 82
Poplar .... 76
Potato Vine .... 87
Privet .... 81
Pyrethrum .... 85
Rhubarb Roots .... 31
Romnyea Coulteri .... 81
Roses .... 74–76
Rubber Trees .... 80
Salvia .... 85
Santolina .... 85
Schinus Molle .... 80
Schnittlauch .... 31
Sequoia Giganta .... 81
Sequoia Sempervirens .... 81
She-Oak .... 79
Silky Oak (Australian Fern Tree) .... 80
Smilax .... 87
Snowball .... 77
Solanum .... 87
Spearmint .... 31
Spiraea .... 77
Sterculia Acreifolia .... 81
Sterculia Diversifolia .... 81
St. John's Bread .... 79
Stocks .... 85
Sycamore .... 76
Syringa .... 77
Sweet Potato Plants .... 31
Tamarix .... 77
Teconia .... 87
Texas Umbrella Tree .... 76
Thuya .... 81
Tomato Plants .... 31
Tradiscantia .... 87
Trailing Plants .... 87
Trumpet Vine .... 87
Umbrella Tree (Texas) .... 76
Vegetable Plants .... 31
Verbenas .... 85
Viburnum .... 77
Virginia Creeper .... 87
Violets .... 85
Walnut (Black) .... 76
Wandering Jew .... 87
Wire Vine .... 87
Wistaria .... 87
Yuccas .... 84


## POULTRY SUPPLIES


Beef Scrap .... 96
Bird Food and Remedies .... 98
Bone Meal .... 96
Bone Mills .... 99, 100
Brooders .... 89, 90
Cat Food and Remedies .... 98
Caponizing Sets .... 102
Chick Feeders .... 103
Clover Cutters .... 99, 100
Cotton Seed Meal .... 96
Dog Food and Remedies .... 98
Drinking Fountains .... 101–103
Egg Food .... 91, 94
Egg Carriers .... 101
Egg Testers .... 101
Feed Hoppers .... 103
Gold Fish .... 97
Grist Mill .... 100
Hygrometer .... 102
Incubators .... 89, 90
Leg Bands .... 101
Meat Choppers .... 100
Nest Eggs .... 102
Poultry Food .... 91–97
Poultry Remedies .... 91–97
Poultry Markers .... 101
Pigeon Food .... 97
Roup Syringe .... 101
Stock Food .... 91
Stock Remedies .... 91
Tools and Implements .... 99, 102
Thermometers .... 102
Wire Fencing .... 103


## MISCELLANEOUS


**SPRAY PUMPS** .... 104
**INSECT SPRAYERS** .... 104
**INSECTICIDES AND GERMICIDES** .... 105
**GARDEN TOOLS** .... 106–110
**PLANET JR. TOOLS** .... 110



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